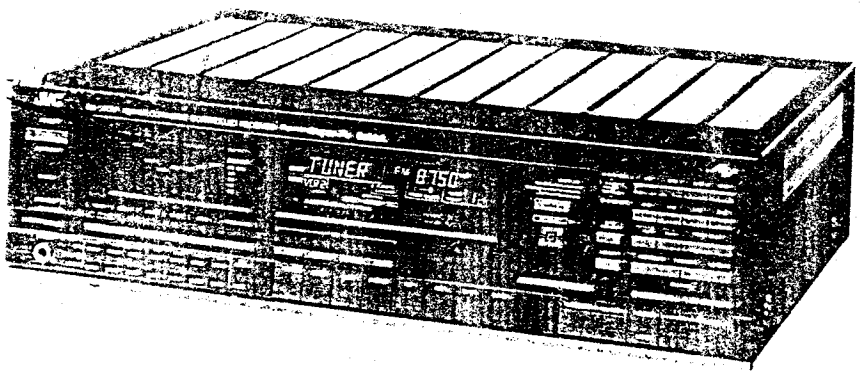
JVC

SERVICE MANUAL

COMPUTER CONTROLLED STEREO RECEIVER

MODEL No. **RX-550VBK**
RX-550VLBK

= RX 500



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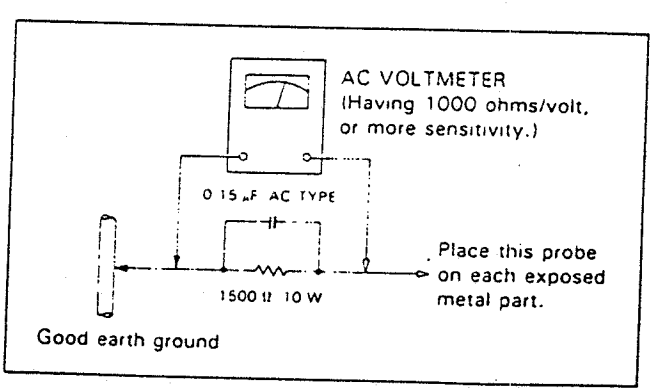
No. 2976
Feb. 198

Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of the Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of the Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
   When service is required, the original lead routing and dress should be observed, and it should be confirmed the they have been returned to normal, after re-assembling.
5. Leakage current check
   (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method.
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC(r.m.s.). This corresponds to 0.5 mA AC(r.m.s.).



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CHECK THE VOLTAGE SELECTOR'S SETTING
(Except for U.S.A., Canada, Australia, U.K. and Continental Europe)

Before inserting the power plug, please check that the voltage selector's setting corresponds with the line voltage in your area. If it doesn't be sure to reset the voltage selector before operating this equipment.
The voltage selector may be located on the rear or bottom of the unit, or underneath the platter.

CAUTION : Before setting the voltage selector to the proper voltage, disconnect the power plug.

RX-550VBK
RX-550VLBK

SPECIFICATIONS

AMPLIFIER SECTION

Output power: **60 watts per channel, min. RMS, both channels driven, into 8 ohms from 20 Hz to 20kHz, with no more than 0.007% total harmonic distortion.**
70 watts per channel, min. RMS, both channels driven, into 8 ohms from 40 Hz to 20 kHz, with no more than 0.2% total harmonic distortion.
65 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz (DIN).
60 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz, with no more than 0.003% total harmonic distortion.

Total harmonic distortion: 0.003% at 60 watts (1 kHz, 8 ohms)

Intermodulation distortion: 0.007% at 60 watts

Damping factor: 40 at 8 ohms, 1 kHz

Input sensitivity/impedance

PHONO	2.5 mV/47 kohms
CD, TAPE 1 PLAY, TAPE 2 PLAY, VCR 1 PLAY, VCR 2 PLAY	220 mV/45 kohms

Recording output level: 220 mV

Frequency response

PHONO (RIAA equalization)	20 Hz — 20 kHz, +0.5 dB, -0.5 dB
CD, TAPE 1 PLAY, TAPE 2 PLAY, VCR 1 PLAY, VCR 2 PLAY	5 Hz — 50 kHz, +0 dB, -1 dB

S.E.A. graphic equalizer

Center frequencies	63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 16 kHz
Control range	+10 dB ±1 dB −10 dB ±1 dB

Signal-to-noise ratio

PHONO	71 dB ('66 IHF) 78 dB ('78 IHF) (Rec out)	66 dB (DIN)
CD, TAPE 1 PLAY, TAPE 2 PLAY, VCR 1 PLAY, VCR 2 PLAY	100 dB ('66 IHF) 77 dB ('78 IHF)	67 dB (DIN)

TECHNISCHE DATEN

VERSTÄRKERTEIL

Ausgangsleistung: 60 Watt pro Kanal, min. eff., beide Kanale ausgesteuert auf 8 Ohm für 20 Hz bis 20 kHz mit nicht mehr als 0.007% Klirrfaktor
70 Watt pro Kanal, min. eff., beide Kanale ausgesteuert auf 8 Ohm für 40 Hz bis 20 kHz mit nicht mehr als 0.2% Klirrfaktor
65 Watt pro Kanal, min. eff., beide Kanale ausgesteuert auf 8 Ohm bei 1 kHz (DIN).
60 Watt pro Kanal, min. eff., beide Kanale ausgesteuert auf 8 Ohm bei 1 kHz mit nicht mehr als 0.003% Klirrfaktor

Klirrfaktor: 0.003% bei 60 Watt (1 kHz, 8 Ohm)

Intermodulations-Verzerrung: 0.007% bei 60 Watt

Dämpfungsfaktor: 40 bei 8 Ohm, 1 kHz

Eingangsempfindlichkeit/Impedanz

PHONO	2.5 mV/47 kOhm
CD, TAPE 1 PLAY, TAPE 2 PLAY, VCR 1 PLAY, VCR 2 PLAY	220 mV/45 kOhm

Aufnahmeausgangspegel: 220 mV

Frequenzgang

PHONO (RIAA-Entzerrung)	20 Hz — 20 kHz, +0.5 dB, -0.5 dB
CD, TAPE 1 PLAY, TAPE 2 PLAY, VCR 1 PLAY, VCR 2 PLAY	5 Hz — 50 kHz, +0 dB, -1 dB

S.E.A. Graphic Equalizer

Mittenfrequenzen	63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 16 kHz
Regelbereich	+10 dB ±1 dB −10 ±1 dB

Signal/Rauschabstand

PHONO	71 dB ('66 IHF) 78 dB ('78 IHF) (Aufnahmeausgang)	66 dB (DIN)
CD, TAPE 1 PLAY, TAPE 2 PLAY, VCR 1 PLAY, VCR 2 PLAY	100 dB ('66 IHF) 77 dB ('78 IHF)	67 dB (DIN)

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RX-550VBK
RX-550VLBK

AM TUNER SECTION

MW	EIA
Tuning range	522 kHz — 1 629 kHz Channel space 9 kHz 530 kHz — 1 630 kHz Channel space 10 kHz 530 kHz — 1 710 kHz (For U.S.A. and Canada)
Sensitivity	Loop antenna: 300 μV/m* External antenna: 30 μV*
Signal-to-noise ratio	50 dB* (100 mV/m)
Selectivity	38 dB ±10 kHz 35 dB ±9 kHz*
Image response ratio	40 dB*
IF response ratio	60 dB
Total harmonic distortion	0.5%* (100mV/m)

LW (RX-550VLBK only)

Tuning range	144 kHz — 353 kHz
Sensitivity	
Loop antenna	600 μV/m at 245 kHz
External antenna	100 μV at 245 kHz
Signal to noise ratio (100 mV/m)	50 dB at 245 kHz
Selectivity	40 dB ±9 kHz at 245 kHz

VIDEO SECTION

Output signal level	1 Vp-p (at 1 Vp-p input)
INPUT impedans	75 ohms unbalanced
OUTPUT impedans	75 ohms unbalanced
Synchronization	Negative
Signal-to-noise ratio	45 dB
Crosstalk	45 dB (3.58 MHz)

Design and specifications subject to change without notice.

* Measured at 1,000 kHz or 999 kHz.

AM-TUNERTEIL

MW	EIA
Einstellbereich	522 kHz — 1629 kHz Kanalabstand 9 kHz 530 kHz — 1630 kHz Kanalabstand 10 kHz 530 kHz — 1710 kHz (Für U.S.A. und Kanada)
Empfindlichkeit	Rahmenantenne: 300 μV/m* Außenantenne: 30 μV*
Signal/Rausch-abstand	50 dB* (100 mV/m)
Selektivität	38 dB ±10 kHz 35 dB ±9 kHz*
Spiegelfrequenz-dämpfung	40 dB*
ZF-Dämpfung	60 dB
Klirrfaktor	0.5%* (100mV/m)

LW (nur RX-550VLBK)

Einstellbereich	144 kHz — 353 kHz
Empfindlichkeit	
Rahmenantenne	600 μV/m bei 245 kHz
Außenantenne	100 μV bei 245 kHz
Signal/Rausch-abstand (100 mV/m)	50 dB bei 245 kHz
Selektivität	40 dB ±9 kHz bei 245 kHz

VIDEO-TEIL

Ausgangssignal-pegel	1 Vs-s (bei 1 Vs-s Eingang)
EINGANGS-Impedanz	75 Ohms unsymmetrisch
AUSGANGS-Impedanz	75 Ohms unsymmetrisch
Synchronisation	Negativ
Störspannungsab-stand	45 dB
Übersprech-dämpfung	45 dB (3.58 MHz)

Technische Änderungen vorbehalten!

* Gemessen bei 1.000 kHz oder 999 kHz.

DIMENSIONS AND WEIGHT

Dimensions			Weight
Width	Height	Depth	
435 mm 17-3/16"	117 mm 4-5/8"	329.5 mm 13"	7.8 kg 17.2 lbs.

POWER SPECIFICATIONS

Areas	Line voltage & frequency	Power consumption
U.S.A	AC 120 V~, 60 Hz	300 watts 380 VA
Canada		
Continental Europe	AC 220 V~, 50 Hz	200 watts
U.K.	AC 240 V~, 50 Hz	200 watts
Australia		
Other areas	AC 110/120/220/240 V~ selectable, 50/60 Hz	250 watts

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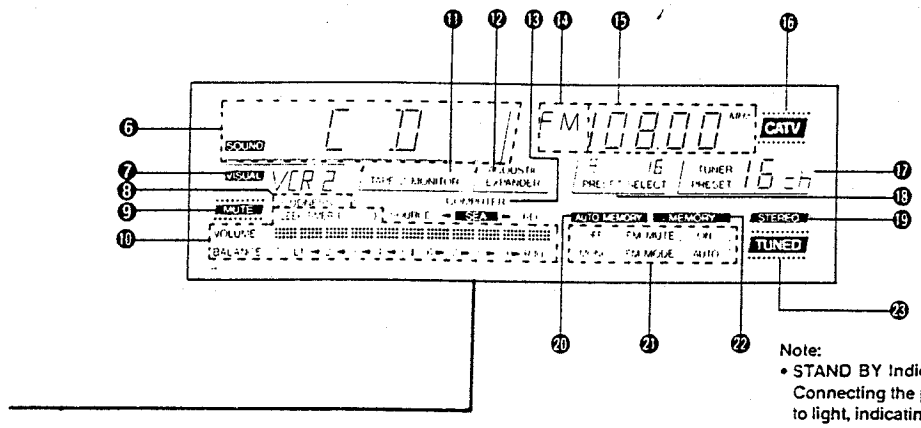
FM TUNER SECTION

	IHF	DIN (For Europe)
Tuning range:	87.5 MHz — 108.0 MHz	87.5 MHz — 108.0 MHz
Usable sensitivity	Mono 10.8 dBf 0.95 μV/ 75 ohms 1.9 μV/ 300 ohms	—
26 dB quieting sensitivity		1.5 μV/ 75 ohms 3 μV/ 300 ohms
50 dB quieting sensitivity	Mono 16.3 dBf (1.8 μV/ 75 ohms 3.6 μV/ 300 ohms)	—
	Stereo 38.3 dBf (22.5 μV/ 75 ohms 45 μV/ 300 ohms)	—
S/N 46 dB stereo sensitivity	—	Stereo 23 μV/ 75 ohms
Signal-to-noise ratio (at 98 MHZ 85 dBf)	Mono 82 dB Stereo 73 dB (IHF-A)	Mono 72 dB Stereo 64 dB (weighted)
Total harmonic distortion (1 kHz)	Mono 0.15% Stereo 0.2%	Mono 0.1% Stereo 0.3%
Frequency response	30 Hz — 15 kHz, +0.5 dB, -3 dB	
Capture ratio	1.5 dB	
Selectivity	60 dB ±400 kHz	55 dB ±300 kHz
Image response ratio	56 dB at 98 MHz	
IF response ratio	85 dB at 98 MHz	
Stereo separation	40 dB at 1 kHz	40 dB at 1 kHz

UKW-TUNERTEIL

	IHF	DIN (Für Europa)
Einstellbereich	87.5 MHz — 108.0 MHz	87.5 MHz — 108.0 MHz
Nutzbare Empfindlichkeit	Mono 10.8 dBf 0.95 μV/ 75 Ohm 1.9 μV/ 300 Ohm	
26 dB Empfindlichkeitsschwelle		1.5 μV/ 75 Ohm 3 μV/ 300 Ohm
50 dB Empfindlichkeitsschwelle	Mono 16.3 dBf (1.8 μV/ 75 Ohm 3.6 μV/ 300 Ohm)	—
	Stereo 38.3 dBf (22.5 μV/ 75 Ohm 45 μV/ 300 Ohm)	—
Stereo-Empfindlichkeit für Signal/Rauschabstand 46 dB	—	Stereo 23 μV/ 75 Ohm
Signal/Rauschabstand (bei 98 MHZ 85 dBf)	Mono 82 dB Stereo 73 dB (IHF-A)	Mono 72 dB Stereo 64 dB (bewertet)
Klirfaktor (1 kHz)	Mono 0.15% Stereo 0.2%	Mono 0.1% Stereo 0.3%
Frequenzgang	30 Hz — 15 kHz, +0.5 dB, -3 dB	
Einfangverhältnis	1.5 dB	
Selektion	60 dB, ±400 kHz	55 dB, ±300 kHz
Spiegelfrequenzdämpfung	56 dB bei 98 MHz	
ZF-Dämpfung	85 dB bei 98 MHz	
Stereokanal-Trennung	40 dB bei 1 kHz	40 dB bei 1 kHz



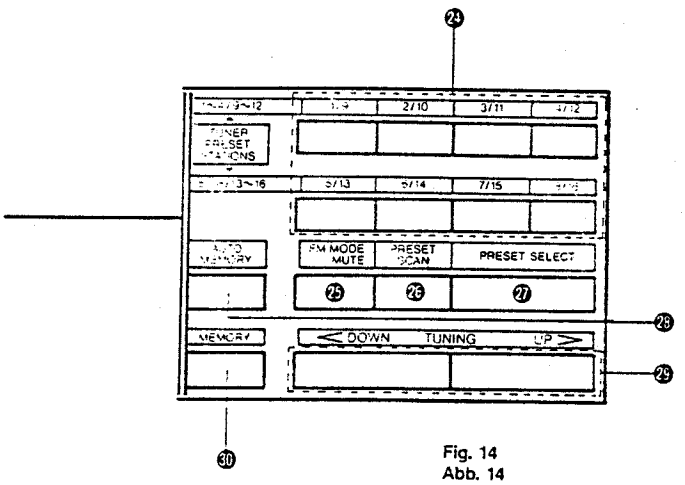


Fig. 14
Abb. 14
Afb. 14

Note:
• STAND BY Indicator
Connecting the power plug to the AC wall outlet causes this indicator to light, indicating that the unit has been placed in the stand-by mode.

Hinweis:
• STAND BY Anzeigeleuchte
Wenn man das Netzkabel an die Wandsteckdose anschließt, leuchtet diese Anzeige auf, und das Gerät ist betriebsbereit.

Remarque:
• Témoin STAND BY
Le fait de brancher la fiche d'alimentation à une prise secteur entraine l'allumage de ce témoin, signifiant que l'appareil est passé en mode attente.

Opmerking:
• Ruststandindikator (STAND BY)
Zodra de stekker van het netsnoer in het stopkontakt wordt gestoken, zal deze indikator oplichten om aan te geven dat het apparaat in de "standby" stand staat.

Nota:
• Indicador de modo de espera (STANDBY)
Cuando se conecta el enchufe del cable de alimentación al tomacorriente mural de CA, este indicador se iluminará indicando que la unidad se encuentra en el modo de espera (STANDBY).

❶ Alimentation (POWER)
ON: Appuyer sur la touche pour mettre l'appareil sous tension. Pour couper l'alimentation, appuyer de nouveau sur la touche. Même si l'alimentation est coupée, le témoin STAND BY reste allumé, sauf si le recepteur est debranché de la prise secteur.
STAND BY: Même quand tous les témoins autres que le témoin STAND BY sont éteints, le circuit de mémoire fonctionne et les stations préréglées et les sélecteurs de source ne sont pas soumis à une annulation ou altération tant que le cordon d'alimentation est branché à la prise secteur. Cette situation est appelée mode STAND BY (attente). En cas de coupure accidenteile d'alimentation ou lorsque l'alimentation est coupée avec le cordon débranché de la prise secteur, les données préreglées et les données de selection de source sont protégées pendant deux jours.

Remarque:
• **Même dans le mode STAND BY, cet ampli-syntoniseur consomme une faible quantité d'électricité (5 watts). Pour couper complètement l'alimentation, débrancher le cordon secteur.**

❶ Spanning toets (POWER)
ON: Druk op deze toets om het apparaat in te schakelen. Druk nogmaals op de toets om het apparaat weer uit te schakelen. Na het uitschakelen van het apparaat zal de ruststandindikator (STAND BY) blijven oplichten, tenzij de stekker van het netsnoer uit het stopkontakt wordt getrokken.
STAND BY: Als de ruststandindikator (STAND BY) oplicht maar alle andere indikators uit zijn, betekent dit dat het geheugencircuit in bedrijf is en de voorkeuzestations en instellingen van de bronselektors niet gewist of veranderd zullen worden zolang het netsnoer tenminste op een stopkontakt aangesloten is. Deze toestand wordt de ruststand (STAND BY) genoemd. De in het geheugen opgeslagen gegevens betreffende de stations en de gekozen geluidsbron blijven ook bewaard als'er een stroomonderbreking mocht zijn of de stekker uit het stopkontakt wordt getrokken, mits dit niet langer dan een paar dagen duurt.

Opmerking:
• **Zelfs wanneer de STAND BY-funktie van dit toestel ingeschakeld is, verbruikt deze versterker een kleine hoeveelheid stroom (5 Watt). Haal de stekker uit het stopkontakt om de spanning volledig uit te schakelen.**

❶ POWER
ON: Presiónelo para conectar la alimentación. Para desconectar la alimentación, presiónelo nuevamente. Aun cuando se desconecte la alimentación, el indicador de modo de espera (STANDBY) permanece iluminado a menos que se desenchufe el receptor del tomacorriente mural.
STAND BY: Aun cuando todos los indicadores, excepto el indicador de modo de espera (STANDBY) estén apagados, el circuito de la memoria funciona y las estaciones y los selectores de fuente preajustados no están expuestos a ser borrados o alterados accidentalmente mientras que el cable de alimentación permanezca enchufado al tomacorriente mural. Esta condición se denomina modo de espera (STANDBY). Los datos preajustados y los datos de selección de fuente no se borran aun en el caso en que ocurra un corte eléctrico o cuando la alimentación no esté conectada, es decir, con el cable de alimentación desenchufado del tomacorriente mural, por un par de días.

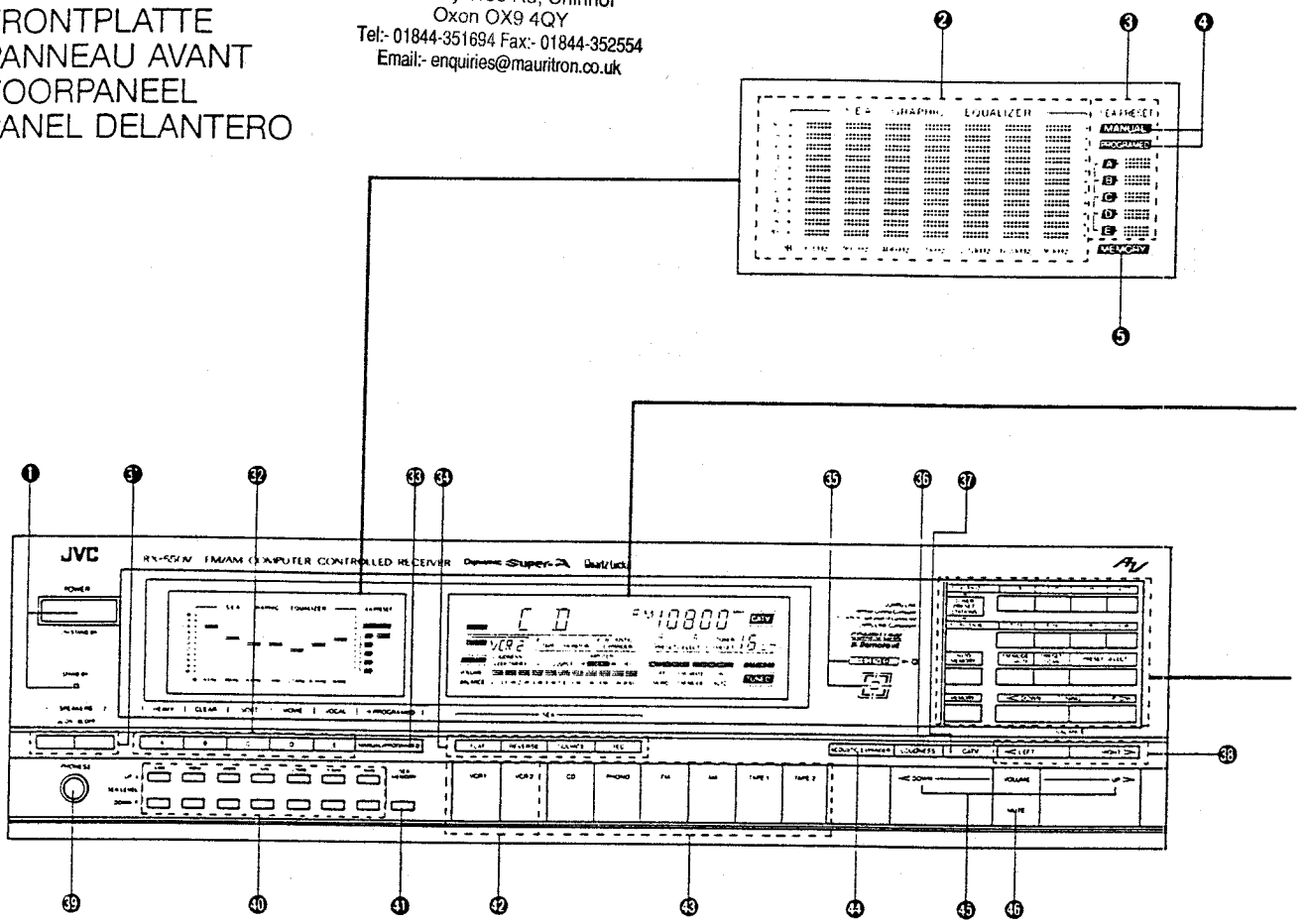
Nota:
• **Aun en el modo STAND BY, este receptor consume una pequeña cantidad de electricidad (5 vatios). Desenchufe el cordón de alimentación para desconectar completamente la alimentación.**

MC-Service

RX-550VBK
RX-550VLBK

FRONT PANEL
FRONTPLATTE
PANNEAU AVANT
VOORPANEEL
PANEL DELANTERO

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk



❶ POWER

ON: Press to turn the power on. To turn the power off, press it again. Even when the power is turned off, the STAND BY indicator remains lit unless the receiver is unplugged from the wall outlet.

STAND BY: Even when all the indicators other than the STAND BY indicator are turned off, the memory circuit operates and the preset stations and the source selectors are not subject to cancellation or accidental alteration as long as the power cord is plugged into the wall outlet. This situation is called the STAND BY mode. The preset data and the source select data are maintained even in the case of a power failure or while the power is not applied with the power cord disconnected from the wall outlet for a couple of days.

Note:

- **Even in the STAND BY mode, this receiver consumes a small amount of electricity (5 watts). To shut the power completely off, disconnect the power cord.**

❶ Netztaste (POWER)

ON: Netzspannung mit dieser Taste einschalten. Zum Ausschalten erneut drücken. Auch bei ausgeschalteter Netzspannung leuchtet die STAND-BY-Anzeige weiterhin auf, solange das Netzkabel des Receivers nicht von der Wandsteckdose abgezogen ist.

STAND BY: Auch wenn außer der STAND-BY-Anzeige keine der Anzeigen aufleuchtet, ist der Speicherschaltkreis in Betrieb, und die Vorwahlstationen und Programmquellen werden vom Abschalten oder unbeabsichtigter Änderung nicht berührt, solange das Netzkabel an die Wandsteckdose angeschlossen ist. Dieser Betriebszustand heißt STAND BY. Die voreingestellten Daten und Programmquellen bleiben also auch bei Stromausfall erhalten und gleichermaßen, wenn das Netzkabel einige Tage lang von der Wandsteckdose abgezogen ist.

Hinweis:

- **Auch bei STAND BY-Betriebsart wird eine geringe Leistung (5 Watt) vom Receiver aufgenommen. Zur kompletten Abschaltung das Netzkabel abziehen.**

❷ **SEA GRAPHIC EQUALIZER indicator**
The dot point rises and falls in response to the pressing of the corresponding SEA LEVEL buttons to show the SEA level in each frequency band.

❸ **SEA PRESET pattern indicator**
Pressing the MANUAL PROGRAMED button will cause indicator A, B, C, D, or E to light, according to which preset pattern was being used the last time the unit was in that particular mode (MANUAL or PROGRAMED). If no preset pattern was being used, no preset pattern indicator will light. These indicators also light when an SEA PRESET button has been pressed, to select a preset pattern or to store a newly-created pattern in memory.

❹ **MANUAL/PROGRAMED indicator**
Pressing the MANUAL PROGRAMED button causes "MANUAL" or "PROGRAMED" to light on the display, indicating which mode has been selected.

❺ **MEMORY indicator**
Pressing the MEMORY button lights "MEMORY" for about five seconds, thus indicating the unit is ready to store in memory the pattern you have created.

❻ **SOUND indicator**
This shows which audio signal has been selected with the source selectors, for listening to or recording.

❼ **VISUAL indicator**
This shows which video signal has been selected with the VIDEO source selectors, for watching or recording.

❽ **LOUDNESS indicator**
When the LOUDNESS button has been pressed, this indicator lights.

❾ **MUTE indicator**
This indicator lights when the MUTE button has been pressed. Press it again returns the volume to its original level. Pressing the VOLUME UP/DOWN buttons also cancels the muting.

❷ **SEA-Mehrbereichsklangregler-Pegelanzeige (SEA GRAPHIC EQUALIZER)**
Durch Drücken der SEA-LEVEL-Taste bewegt sich der entsprechende Punkt aufwärts oder abwärts und zeigt dadurch den SEA-Pegel im jeweiligen Frequenzbereich an.

❸ **SEA-Vorwahlmuster-Anzeige (SEA PRESET)**
Wenn die MANUAL, PROGRAMED-Taste gedrückt wird, leuchtet die Anzeige A, B, C, D oder E entsprechend dem Vorwahlmuster, das verwendet wurde, als sich das Gerät das letzte Mal in dieser bestimmten Betriebsart (MANUAL oder PROGRAMED) befand. Wurde kein Vorwahlmuster verwendet, leuchtet auch keine Vorwahlmuster-Anzeige. Diese Anzeigen leuchten auch nach Drücken einer SEA PRESET-Taste zum Wählen eines Vorwahlmusters oder zum Speichern eines neu eingestellten Vorwahlmusters.

❹ **Manuell/Programm-Anzeige (MANUAL/PROGRAMED)**
Wenn die MANUAL/PROGRAMED-Taste gedrückt wird, leuchtet "MANUAL" oder "PROGRAMED" auf dem Display, wodurch die gewählte Betriebsart angezeigt wird.

❺ **Speicher-Anzeige (MEMORY)**
Wenn die MEMORY-Taste gedrückt wird, leuchtet "MEMORY" für etwa fünf Sekunden. Während dieser Zeit kann das eingestellte Muster gespeichert werden.

❻ **Klang-Anzeige (SOUND)**
Diese Anzeige zeigt, welches Audiosignal mit den Signalquellenwählern für Wiedergabe oder Aufnahme gewählt wurde.

❼ **Visuell-Anzeige (VISUAL)**
Diese Anzeige zeigt, welches Videosignal mit den VIDEO-Signalquellenwählern für Wiedergabe oder Aufnahme gewählt wurde.

❽ **Lautstärkekontur-Anzeige (LOUDNESS)**
Diese Anzeige leuchtet, wenn die LOUDNESS-Taste gedrückt wurde.

❾ **Dämpfungsanzeige (MUTE)**
Diese Anzeige leuchtet nach Betätigen der MUTE-Taste. Durch nochmaliges Betätigen wird wieder auf die ursprüngliche Lautstärke geschaltet; ebenfalls durch Betätigen der VOLUME UP/DOWN-Taste.

⑩ **VOLUME/BALANCE/SLEEP TIMER (x 10 MIN) indicator**
This indicator is used as the VOLUME, BALANCE, or SLEEP TIMER indicator.
Normally "VOLUME" lights and this indicator shows the level of sound going to the speakers or headphones. When the BALANCE buttons are pressed, "BALANCE", the center bar, "L" and "R" light and the balance between the right and left speakers is shown. When the SLEEP button on the remote control unit is pressed, "SLEEP TIMER (x 10 MIN)" lights. Each time the SLEEP button is pressed, the sleep timer's setting is increased in 10-minute increments to up to 60 minutes with a square on this indicator lighting for each 10-minute increment added. However, the leftmost point does not light in this mode. This indicator is also useful to check the timer's turn-off time. The display continues in the BALANCE or SLEEP TIMER indication mode for about five seconds, and then returns to the VOLUME indication mode.

⑪ **TAPE-2 MONITOR indicator**
When the TAPE-2 button has been pressed, this indicator lights.

⑫ **ACOUSTIC EXPANDER indicator**
This indicator lights when the ACOUSTIC EXPANDER button has been pressed to ON.

⑬ **COMPUTER SEA indicator**
When the SEA SOURCE button is pressed, SOURCE lights to show that the S.E.A. is processing the signals fed to the speakers or headphones.
When the SEA REC button is pressed, the REC lights to show that the S.E.A. is processing the signals output from the REC OUT terminals.

⑭ **FM/AM indicator**
"FM" is displayed during FM reception and "AM" during AM reception.

⑮ **Frequency indicator**
The tuned-in frequency is displayed digitally. Four digits (kHz) are displayed during AM reception, five digits (MHz) (for Europe, U.K., Australia, and other countries) or four digits (MHz) (for U.S.A. and Canada) are displayed during FM reception.

⑯ **CATV indicator (only for the U.S.A. and Canada)**
When the CATV button is pressed to on, this indicator lights to show that this unit receives CATV programs.

⑰ **TUNER PRESET indicator**
When the one of the TUNER PRESET STATIONS buttons is pressed, this indicator shows its preset station number.

⑱ **PRESET SELECT indicator**
Each time the PRESET SELECT button is pressed, this indicator shows "1 — 8" or "9 — 16" to show the group of preset stations to be selected.

⑲ **STEREO indicator**
When an FM stereo broadcast is being received, this indicator lights. When the MODE indicator shows "MONO", this indicator will not light even if a stereo FM broadcast is being received. In that case, press the FM MODE/MUTE button so that "AUTO" is shown.

⑩ **Lautstärke/Balance/Einschlafschaltuhr-Anzeige (x 10 MIN) (VOLUME/BALANCE/SLEEP TIMER)**
Diese Anzeige dient als VOLUME, BALANCE- oder SLEEP TIMER Anzeige.
Normalerweise leuchtet "VOLUME" und diese Anzeige zeigt den Klangpegel der den Lautsprechern oder dem Kopfhörer zugeführt wird. Werden die BALANCE"-Tasten gedrückt, leuchten "BALANCE", der Mittelbalken, "L" und "R" und die Balance zwischen dem rechten und linken Lautsprecher wird angezeigt. Wenn die SLEEP-Taste auf de Fernbedienungseinheit gedrückt wird, leuchtet "SLEEP TIMER (x 10 MIN)". Mit jedem Drücken der SLEEP-Taste wird der Zeitpunkt des automatischen Ausschaltens der Einschlafschaltuhr um 10 Minuten bis zu 60 Minuten verlangert, auf der Anzeige erscheint ein Quadrat für jeden zusätzlichen 10-Minuten-Zeitraum. Der Punkt ganz links leuchtet jedoch in dieser Betriebsart nicht. Diese Anzeige ist auch zur Überprüfung der Ausschaltzeit der Schaltuhr nutzlich. Die Anzeige zeigt die BALANCE- oder SLEEP TIMER-Einstellung für fünf Sekunden an und kehrt dann zur VOLUME-Anzeigefunktion zurück.

⑪ **TAPE-2 MONITOR-Anzeige**
Bei Drücken der Taste TAPE-2 leuchtet die entsprechende Anzeige auf.

⑫ **Akustikerweiterung-Anzeige (ACOUSTIC EXPANDER)**
Diese Anzeige leuchtet, wenn die ACOUSTIC EXPANDER-Taste auf ON gedrückt wurde.

⑬ **Computer-SEA-Anzeige (COMPUTER SEA)**
Wenn die SEA SOURCE-Taste gedrückt wird, leuchtet die SOURCE-Anzeige. Dann werden die Signale, die zu den Lautsprechern oder zum Kopfhörer geleitet werden, im S.E.A. geregelt.
Wenn die SEA REC-Taste gedrückt wird, leuchtet die REC-Anzeige. Dann werden die Signale, die von den REC OUT-Anschlüssen kommen, im S.E.A. geregelt.

⑭ **UKW/MW-Anzeige (FM/AM)**
Bei UKW-Empfang wird "FM" und bei MW-Empfang "AM" angezeigt.

⑮ **Frequenz-Anzeige**
Die Empfangsfrequenz wird digital angezeigt. Bei MW-Empfang werden vier Stellen (kHz) und bei UKW-Empfang fünf Stellen (MHz) (Europa, Großbritannien, Australien und andere Länder) bzw. vier Stellen (MHz) (USA und Kanada) angezeigt.

⑯ **CATV-Anzeige (nur für die USA und Kanada)**
Wenn die CATV-Taste gedrückt ist zeigt diese leuchtende Anzeige, daß CATV-Programme empfangen werden.

⑰ **Stationstasten-Anzeige (TUNER PRESET)**
Wenn eine der TUNER PRESET STATIONS-Tasten gedrückt wird, zeigt diese Anzeige die Nummer der Stationstaste.

⑱ **Speichervorwahl-Anzeige (PRESET SELECT)**
Mit jedem Drücken der PRESET SELECT-Taste zeigt diese Anzeige mit "1 — 8" oder "9 — 16" die Gruppe der gewählten Stationstasten.

⑲ **Stereo-Anzeige (STEREO)**
Diese Anzeige leuchtet, wenn ein UKW-Stereosender empfangen wird. Wenn die MODE-Anzeige "MONO" anzeigt, leuchtet diese Anzeige nicht, auch wenn ein UKW-Stereosender empfangen wird. In diesem Fall die FM MODE/MUTE-Taste drücken, so daß "AUTO" auf der Anzeige erscheint.

Example
Beispiel
Exemple
Voorbeeld
Ejemplo

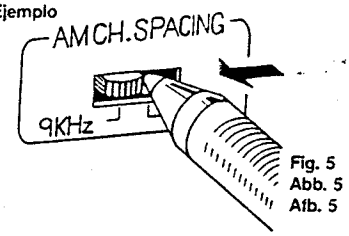


Fig. 5
Abb. 5
Afb. 5

Switch over using the tip of a ball-point pen as shown in Fig. 5.
Verwenden Sie zum Umschalten die Spitze eines Kugelschreibers, wie in Abb. 5 gezeigt.
Changer à l'aide d'un stylo-bille comme indiqué dans la Fig. 5.
Schakel m.b.v. een balpen over, zoals de afbeelding 5 laat zien.
Conmute usando la punta de un bolígrafo de la manera que se ve en la Fig. 5.

㉕ AM channel spacing switch****
The AM channel spacing switch on the rear panel allows selection of 9 kHz or 10 kHz steps, depending on your area.

Area \ Band	FM	AM (MW)	AM (LW)
U.S.A., Canada	100kHz	10kHz	—
Continental Europe, U.K.	50kHz	9kHz	1kHz
Continental Europe, Australia	50kHz	9kHz	—
Other areas	50kHz	9kHz* / 10kHz	—

Note: *Preset at the factroy.

㉖ AM loop antenna
㉗ COMPU LINK-1 (SYNCHRO) terminals
Connect to units provided with a COMPU LINK-1 (SYNCHRO) terminal to let the COMPU LINK control system function.

Notes:
1. **When connecting the components, make the correct left and right channel connections. Reversed channels may degrade the stereo effect.**
2. **Connect speakers with correct polarity: (+) to (+) and (-) to (-). Reversed polarity may degrade the stereo effect.**
3. **Switch the power off when connecting any component.**
4. **Connect plugs or wires firmly. Poor contact may result in hum.**
5. **Use speakers with an impedance of 8 ohms or more (16 ohms when the 1 + 2 position is used). Speakers with an impedance down to 4 ohms (8 ohms when the 1 + 2 position is used) may be used, in which case the temperature rise of the cabinet may not satisfy BS 415 or IEC 65. Be sure to provide good ventilation, especially when speakers with an impedance of 4 ohms (8 ohms when the 1 + 2 position is used) are used.**
6. **The AC outlets provide no power when the power is turned off. Do not connect equipment requiring more than the outlet's specified value.**
7. **Keep the connection cords as far as possible from the TV.**

** Provided only on units for the U.S.A. and Canada.
*** Not provided on units for the U.S.A., Canada, the U.K., and Australia.
**** Not provided on units for the U.S.A., Canada, Continental Europe, the U.K., and Australia.

㉕ MW-Kanalabstandtaste****
Mit der MW-Kanalabstandtaste kann entsprechend dem Empfangsgebiet der Kanalabstand auf 9 kHz oder 10 kHz eingestellt werden.

Wellenbereich \ Empfangsgebiet	UKW	MW	LW
USA, Kanada	100kHz	10kHz	—
Kontinental-Europa, Großbritannien	50kHz	9kHz	1kHz
Kontinental-Europa, Australien	50kHz	9kHz	—
Andere Gebiete	50kHz	9kHz* / 10kHz	—

Hinweis: *Ab Werk voreingestellt.

㉖ MW-Rahmenantenne
㉗ Synchro-Buchsen (COMPU LINK-1/SYNCHRO)
Mit dem COMPU LINK-1/SYNCHRO-Anschluß anderer Komponenten verbinden, um das COMPU LINK-System verwenden zu können.

Hinweise:
1. **Beim Anschließen anderer Geräte auf die richtige Zuordnung des linken und rechten Kanals achten. Vertauschte Kanäle vermindern den Stereoeffekt.**
2. **Die Lautsprecher mit richtiger Polarität anschließen: (+) an (+) und (-) an (-). Vertauschte Polarität kann den Stereoeffekt vermindern.**
3. **Vor dem Anschließen anderer Geräte die Spannungsversorgung ausschalten.**
4. **Die Stecker und Kabel fest anschließen. Schlechter Kontakt kann zu Störgeräuschen führen.**
5. **Lautsprecher mit einer Impedanz von 8 Ohm oder mehr verwenden (16 Ohm, wenn die Position 1 + 2 verwendet wird). Lautsprecher mit einer Impedanz bis hinunter zu 4 Ohm (8 Ohm, wenn die Position 1 + 2 verwendet wird) können verwendet werden, dann entspricht der Temperaturanstieg des Gehäuses eventuell nicht der BS 415 oder IEC 65. Für eine gute Belüftung sorgen, vor allem wenn Lautsprecher mit einer Impedanz von 4 Ohm (8 Ohm, wenn die Position 1 + 2 verwendet wird) verwendet werden.**
6. **Bei abgeschalteter Spannungsversorgung sind die Netzausgänge ebenfalls abgeschaltet. Keine Geräte anschließen, die die Ausgangsnennleistung überschreiten.**
7. **Die Anschlußkabel so weit wie möglich vom Fernseher entfernt verlegen.**

** Vorhanden nur bei Geräten für die USA und Kanada.
*** Nicht vorhanden bei Geräten für die USA, Kanada, Großbritannien und Australien.
**** Nicht vorhanden bei Geräten für die USA, Kanada, Kontinental-Europa, Großbritannien und Australien.

MC-Service

⑳ **AUTO MEMORY indicator**
Lights when the AUTO MEMORY button is set to on.

㉑ **FM MODE/FM MUTE indicators**
These indicators show AUTO/ON or MONO/OFF according to the setting of the FM MODE/MUTE button.

㉒ **MEMORY indicator**
Lights for about five seconds when the MEMORY button is pressed to on, or for one second when a frequency is stored in memory during auto memory.

㉓ **TUNED indicator**
When a broadcast is being received, this indicator lights.

㉔ **TUNER PRESET STATIONS**
These buttons are used to select one of the preset stations or to store a frequency in memory. When one of these buttons is pressed, the preset number is shown by the TUNER PRESET indicator.
If one of these buttons is pressed when the MEMORY button has been pressed, the frequency which is being received will be stored in memory.

㉕ **FM MODE/MUTE**
For normal FM reception and automatic elimination of interstation noise, press this button so that FM MODE's "AUTO" and FM MUTE's "ON" light in the display.
When receiving a weak or noisy FM stereo broadcast, press this button so that "MONO" of FM MODE and "OFF" of FM MUTE light; the broadcast will be heard in mono but the clarity of reception will be improved.

㉖ **PRESET SCAN**
This button permits scanning of the preset stations. When this button is pressed, preset station 1 is tuned in, and its number flashes for about five seconds. This continues for each of the other stations, until all 16 (in the AM or FM band) have been scanned. When the desired station is received, pressing the PRESET SCAN button stops the scanning and the RX-550VBK/RX-550VLBK remains tuned to the station. If no stations were selected during this function, the frequency tuned to before this function was initiated is tuned to again.

㉗ **PRESET SELECT**
Press to set to preset channels 1 — 8 or 9 — 16. 1 — 8 or 9 — 16 PRESET SELECT indicator lights. Up to 16 stations for each band (FM 16, AM 16) can be preset as required. Even when you pushed MEMORY button and then changed 1 — 8 and 9 — 16 by pressing this button, it is possible to accomplish preset memory by pressing the TUNER PRESET STATIONS button.

⑳ **Auto-Speicherung-Anzeige (AUTO MEMORY)**
Diese Anzeige leuchtet, wenn die AUTO MEMORY-Taste auf ON steht.

㉑ **UKW-Empfangsart/UKW-Dämpfung-Anzeigen (FM MODE/FM MUTE)**
Diese Anzeigen zeigen entsprechend der Einstellung der FM MODE/MUTE-Taste "AUTO"/"ON" oder "MONO"/"OFF" an.

㉒ **Speicher-Anzeige (MEMORY)**
Leuchtet für etwa fünf Sekunden, wenn die MEMORY-Taste gedrückt wird, oder für eine Sekunde, wenn bei der automatischen Speicherung eine Frequenz gespeichert wird.

㉓ **Abstimm-Anzeige (TUNED)**
Diese Anzeige leuchtet, wenn ein Radiosender empfangen wird.

㉔ **Tunervorwahl-Tasten (TUNER PRESET STATIONS)**
Diese Tasten dienen zum Abrufen oder zum Speichern von Sendern.
Wird eine dieser Tasten gedrückt, wird die Vorwahlnummer auf der TUNER PRESET-Anzeige angezeigt. Wird eine dieser Tasten nach Drücken der MEMORY-Taste gedrückt, wird die empfangene Frequenz gespeichert.

㉕ **UKW-Empfangsart/Dämpfung-Taste (FM MODE/MUTE)**
Für normalen UKW-Empfang und automatische Unterdrückung der Störgeräusche zwischen den Sendern diese Taste drücken, so daß "AUTO" für FM MODE und "ON" für FM MUTE auf dem Display leuchten.
Beim Empfang eines schwachen oder verrauschten UKW-Stereosenders diese Taste drücken, so daß "MONO" für FM MODE und "OFF" für FM MUTE leuchten, dann wird der Sender in Mono gehört, aber der Empfang ist viel klarer.

㉖ **Speicherabtastung-Taste (PRESET SCAN)**
Diese Taste ermöglicht Absuchen der gespeicherten Sender. Wenn diese Taste gedrückt wird, wird Senderspeicher 1 eingestellt, und die Nummer blinkt für etwa fünf Sekunden. Dies wird für alle anderen gespeicherten Sender fortgesetzt, bis alle 15 (im UKW- oder MW-Wellenband) abgesucht wurden. Wenn der gewünschte Sender empfangen wird, stoppt der Suchvorgang durch Drücken der PRESET SCAN-Taste, und der RX-550VBK/RX-550VLBK empfangt diesen Sender. Wird während dieses Suchvorgangs kein Sender gewählt, wird wieder der Sender empfangen, der vor Durchführung dieser Speicherabtastung empfangen wurde.

㉗ **Speichervorwahl-Taste (PRESET SELECT)**
Diese Taste drücken, um die Vorwahlkanäle 1 — 8 oder 9 — 16 einzustellen. Die 1 — 8 oder 9 — 16 PRESET SELECT-Anzeige leuchtet. Bis zu 16 Sender können für jedes Wellenband (UKW 16, MW 16) gespeichert werden. Auch wenn die MEMORY-Taste gedrückt und dann durch Drücken dieser Taste 1 — 8 und 9 — 16 geändert wurde, ist es möglich, durch Drücken der TUNER PRESET STATIONS-Taste Vorwahlspeicherung durchzuführen.

MC-Service

㉘ AUTO MEMORY

Press this button and one of the TUNER PRESET STATIONS buttons to scan and preset broadcasts automatically. Starting from the frequency being displayed, the tuner tunes into increasingly higher frequencies, until a broadcast is tuned in. Then, the TUNED indiator lights and the channel number you have pressed earlier flickers for three seconds. If you don't wish to store this station in memory, press this button within four seconds, and the scan function will start again. Otherwise, the MEMORY indicator and channel number light together and the frequency is stored in that channel. Then, up-scanning continues. This process continues until the highest numbered channel preset station has a frequency stored in its memory. If the frequency reaches its upper limit, the auto memory function stops and the channel number in which the highest frequency is stored in memory is shown. If the upper limit of the frequency band is reached before this happens, the upper limit frequency is shown. Otherwise, when this process ends, the last frequency tuned to and its corresponding channel number are displayed.

Note:

- **To cancel the auto memory function, press one of the buttons in the tuner section other than the AUTO MEMORY or PRESET SELECT button.**

㉙ TUNING UP/DOWN

DOWN: Press to tune to lower frequencies.
UP: Press to tune to higher frequencies.
Manual tuning
RX-550VBK: Tapping these buttons changes the frequency in single steps of 9 or 10 kHz in AM, and 50 or 100 kHz in FM.
RX-550VLBK: Tapping these buttons changes the frequency in single steps of 9 or 10 kHz in MW; 1 kHz in LW and 50 or 100 kHz in FM. This machine is designed so that MW and LW frequencies can be automatically switched by the tuning button.
When raising the frequency for LW, 353 kHz will automaticlally change to MW 522 kHz. Conversely, when lowering the frequency for MW, 522 kHz will switch to 353 kHz.
Auto tuning
Holding either button pressed for more than one second and then releasing it starts auto tuning; when a broadcast is received, tuning will stop. But if either button is kept held in, scanning continues even when a broadcast is received. In auto tuning, pressing either button again stops scanning.

Note:

- **When one of these buttons is being tapped, the frequency causes to change at the upper or lower limit of the frequency band. In auto tuning, the frequency scanning reverses direction when the upper or lower limit is reached.**

㉘ Auto-Speichertaste (AUTO MEMORY)

Zum automatischen Absuchen und Speichern von Radiosendern diese Taste und eine der TUNER PRESET STATIONS-Tasten drücken. Die Empfangsfrequenz wird beginnend mit der angezeigten Frequenz automatisch erhöht, bis ein Sender gefunden ist. Dann leuchtet die TUNED-Anzeige und die zuvor gedrückte Kanalnummer blinkt für drei Sekunden. Soll dieser Sender nicht in den Speicher eingegeben werden, diese Taste innerhalb von 4 Sekunden drücken, und die Absuchfunktion beginnt erneut. Ansonsten leuchten die MEMORY-Anzeige und Kanalnummer zusammen, und die Frequenz wird in diesem Kanal gespeichert. Danach wird das Absuchen in Aufwärtsrichtung fortgesetzt, bis die höchste Kanalnummer der Stationstasten eine Frequenz gespeichert hat. Wenn die Frequenz die obere Grenze erreicht hat, stoppt die automatische Speicherfunktion, und die Kanalnummer, in der die höchste Frequenz gespeichert ist, wird angezeigt. Wenn die obere Grenze des Frequenzbereiches erreicht wird, bevor dies geschieht, wird die obere Frequenzgrenze angezeigt. Ansonsten werden nach Beendigung des Vorgangs die letzte abgestimmte Frequenz und der entsprechende Kanal angezeigt.

Hinweis:

- **Zur Abschaltung der Automatikspeicherfunktion eine taste des Tunerteils (mit Ausnahme von AUTO MEMORY- und PRESET SELECT- Taste) betätigen.**

㉙ Abtimm-Aufwärts/Abwärts-Tasten (TUNING UP/DOWN)

DOWN: Zum Vermindern der Empfangsfrequenz diese Taste drücken.
UP: Zum Erhöhen der Empfangsfrequenz diese Taste drücken.
Manuelle Abstimmung
RX-550VBK: Durch antippen dieser Tasten wird die Empfangsfrequenz in einzelnen Schritten von 9 oder 10 kHz bei MW-Empfang und 50 oder 100 kHz bei UKW-Empfang geändert.
RX-550VLBK: Durch Antippen dieser Tasten wird die Frequenz für MW in 9- bzw. 10-kHz-Schritten, für LW in 1-kHz-Schritten und für UKW in 50- bzw. 100-kHz-Schritten abgestimmt. MW- und LW- Frequenz werden bei diesem Modell automatisch umgeschaltet. Bei Erhöhung der KW-Frequenz wird von 353 kHz automatisch auf MW 522 kHz umgeschaltet. Umgekehrt erfolgt bei Absenkung der MW- Frequenz automatisch die Umschaltung auf 353 kHz.
Automatische Abstimmung
Die automatische Abstimmung startet, wenn eine der Tasten länger als eine Sekunde gedrückt gehalten und dann losgelassen wird. Die Abstimmung stoppt wenn ein sender empfangen wird. Wird eine der Tasten gedrückt gehalten, wird die Abstimmung auch fortgesetzt, wenn ein Sender empfangen wird. Wird bei der automatischen Abstimmung eine der Tasten gedrückt, stoppt die Sendersuche.

Hinweis:

- **Beim Antippen dieser Tasten wird die Frequenzrichtung an der Ober- oder Untergrenze des Frequenzbereiches geändert. Bei der automatischen Abstimmung wird die Suchrichtung bei Erreichen der Ober- oder Untergrenze des Frequenzbandes geändert.**

㉚ **MEMORY**

Press this button and the MEMORY indicator will light to show that it is ready to receive a memory setting. Pressing the station select button while the MEMORY indicator is lit (for about five seconds) makes it possible to store the station in the specified memory. At this time, the channel number is shown in the display.

㉛ **SPEAKERS**

1

Press to switch the speakers connected to the SPEAKERS 1 terminals on or off.

2

Press to switch the speakers connected to the SPEAKERS 2 terminals on or off.

㉜ **S.E.A. PRESET (A, B, C, D, E)**

Press to store the displayed S.E.A. pattern in memory or to recall the preset S.E.A. pattern corresponding to the button pressed. While in the MANUAL mode, pressing the MEMORY button and then one of these five buttons will store the pattern you have created. Later, while in MANUAL mode, that pattern can be recalled by pressing the appropriate SEA PRESET button. Up to five original patterns can be stored for recall in this way.

A different set of S.E.A. patterns is available when in the PROGRAMED mode. These five patterns (HEAVY, CLEAR, SOFT, MOVIE, and VOCAL) have been permanently stored in memory before the unit was shipped, and may not be replaced. So, up to 10 patterns may be recalled. For more details, refer to page 49.

㉝ **MANUAL/PROGRAMED**

Press to switch between the MANUAL and PROGRAMED SEA pattern modes.

㉞ **SEA**

FLAT: Press this button for a flat response.

REVERSE: Press this button to reverse the pattern's characteristics.

SOURCE: Press this button to listen to the S.E.A.-compensated sound.

REC: Press this button to record S.E.A.-compensated signals.

Note:

- **The S.E.A.-compensated TAPE 1 sound is available for either SEA SOURCE or SEA REC.**

㉟ **REMOTE SENSOR**

While infrared signals are being received from the remote control unit, the RECEIVED indicator lights.

㊱ **LOUDNESS**

Press this button to compensate for the ear's lower sensitivity at low listening levels.

㉚ **Speicher-Taste (MEMORY)**

Durch Drücken dieser Taste erscheint die MEMORY-Anzeige. Dann kann ein Sender gespeichert werden, während die MEMORY-Anzeige leuchtet (für etwa fünf Sekunden). Dabei wird die Kanalnummer auf dem Display angezeigt.

㉛ **Lautsprecher-Tasten (SPEAKERS)**

1

Durch Drücken dieser Taste werden die an den SPEAKERS 1-Klemmen angeschlossenen Lautsprecher ein- und ausgeschaltet.

2

Durch Drücken dieser Taste werden die an den SPEAKERS 2-Klemmen angeschlossenen Lautsprecher ein- und ausgeschaltet.

㉜ **SEA-Vorwahltasten (A, B, C, D, E)**

Diese Tasten dienen zum Speichern des angezeigten SEA-Muster entsprechend der gedruckten SEA-Muster entsprechend der gedruckten Taste. Wenn in der MANUAL-Betriebsart die MEMORY-Taste und danach eine dieser fünf Tasten gedruckt wird, wird das eingestellte Muster gespeichert. Danach können die gespeicherten Muster in der MANUAL-Betriebsart durch Drücken der entsprechenden SEA PRESET-Taste abgerufen werden. Bis zu fünf Muster können auf diese Weise gespeichert und jederzeit abgerufen werden.

In der PROGRAMED-Betriebsart ist ein unterschiedlicher Satz SEA-Muster verfügbar. Diese fünf Muster (HEAVY, CLEAR, SOFT, MOVIE und VOCAL) sind ab Werk fest gespeichert und können nicht geändert werden. Insgesamt stehen damit 10 Muster zur Verfügung. Für weitere Einzelheiten siehe Seite 49.

㉝ **MANUAL/PROGRAMED**

Durch Drücken dieser Taste wird zwischen den SEA-Muster-Betriebsarten MANUAL und PROGRAMED umgeschaltet.

㉞ **SEA-Tasten (SEA)**

FLAT: Diese Taste drücken, um einen linearen Frequenzgang zu erhalten.

REVERSE: Diese Tasten drücken, um die Charakteristika der Muster umzukehren.

SOURCE: Diese Taste drücken, um den SEA-geregelten Klang zu hören.

REC: Diese Taste drücken, um das SEA-geregelte Signal aufzunehmen.

Hinweis:

- **Der Klang von TAPE 1 mit S.E.A.-Klangregelung ist verfügbar für SEA SOURCE oder SEA REC.**

㉟ **Fernbedienungssensor(REMOTE SENSOR)**

Die RECEIVED-Anzeige leuchtet beim Empfang von Infrarotsignalen von der Fernbedienungseinheit.

㊱ **Lautstärkekontur-Taste (LOUDNESS)**

Diese Taste drücken, um die verminderte Empfindlichkeit des menschlichen Gehörs bei niedriger Lautstärke auszugleichen.

MC-Service

㊲ CATV (only for the U.S.A. and Canada)
Use this button along with the separate CATV antenna control unit. When connecting the CATV cable to enjoy CATV programs or connecting the FM antenna to "CATV IN" of CATV antenna control unit to listen to an FM broadcast. Push this button to illuminate the CATV indicator. When the CATV indicator does not light, you can listen to the broadcast through the antenna connected to the EXT FM IN of CATV antenna control unit. Also the CATV button functions can also be stored in each preset station along with frequency.

㊳ BALANCE (LEFT/RIGHT)
Use to adjust the balance between the left and right speakers. Press the LEFT button once to adjust the balance to the left by one step and the RIGHT button to adjust to the right. Holding them pressed changes the balance continuously. The BALANCE indicator is shown on the display.

㊴ Headphone jack (PHONES)
Plug stereo headphones into this jack for private listening and recording monitoring. If you want to listen to sound from the headphones only, press the SPEAKERS buttons to OFF.

㊲ CATV-Taste (nur für die USA und Kanada)
Diese Taste zusammen mit der separaten CATV-Antennensteuerungseinheit verwenden. Wenn das CATV-Kabel zum Empfang von CATV-Programmen angeschlossen ist oder eine UKW-Antenne an den "CATV IN"-Anschluß der CATV-Antennensteuerungseinheit zum Empfang von UKW-Sendern angeschlossen ist, diese Taste drücken, so daß die Anzeige leuchtet. Wenn die CATV-Anzeige nicht leuchtet, können Radiosender durch die mit EXT FM IN der CATV-Antennensteuerungseinheit verbundenen Antenne empfangen werden. Die CATV-Tastenfunktionen können auch zusammen mit den Frequenzen in den Stationstasten gespeichert werden.

㊳ Balance-Links/Rechts-Tasten (BALANCE LEFT/RIGHT)
Diese Tasten dienen zum Einstellen der Balance zwischen den rechten und linken Lautsprechern. Durch Drücken der LEFT-Taste wird der linke Lautsprecher um eine Stufe lauter, durch Drücken der RIGHT-Taste der rechte Lautsprecher. Wird eine der Tasten gedrückt gehalten, ändert sich die Balance fortlaufend. Auf dem DISPLAY erscheint die BALANCE-Anzeige.

㊴ Kopfhörerbuchse(PHONES)
Diese Buchse dient zum Anschließen eines Stereo-Kopfhörers für ungestörtes Hören oder Aufnahmeüberwachung. Soll nur über Kopfhörer gehört werden, die SPEAKERS-Taste auf OFF drücken.

⑩ SEA LEVEL

The built-in graphic equalizer divides the audio spectrum into seven frequency bands with center frequencies from 63 Hz to 16 kHz at intervals of 1/3 octave.

When the SEA level is set to '0' (center position), frequency response is flat. The response in each band can be varied by ±10 dB by pressing the UP or DOWN SEA LEVEL buttons.

The buttons for different frequency bands can be pressed at the same time, and holding them down causes the level to continue rising or falling.

63 Hz: Raise to emphasize the very low bass response of organs, drums, and contrabass. It produces stable and solid sound with emphasis and eliminates the unclear sound response of low frequencies with de-emphasis.

160 Hz: Emphasize to obtain a more expanded low sound. De-emphasize to eliminate unclear sound caused by large or nearly empty listening rooms.

400 Hz: This frequency range is the base on which music is constructed. Emphasize to really put a punch in your music.

1 kHz: Most effective in emphasizing or de-emphasizing the human voice. Emphasize to cause the vocalist to be brought to the foreground, or de-emphasize to cause it to recede into the background.

2.5 kHz: This frequency stimulates the human ear. If the music sounds hard or metallic, de-emphasize.

6.3 kHz: Boost to add clarity to winds and strings. This frequency band varies the tonal expression, influencing the subtleties of the music.

16 kHz: Boosting this frequency range properly adds to the delicacy of highs, with cymbals and triangles resounding in a more ear-pleasing manner, and provides a feeling of extension. This frequency band can also be used to compensate for cartridge response since most moving-magnet cartridges have their resonance peaks in the frequency range from 10 kHz to 20 kHz.

⑪ SEA MEMORY

Press this button and the MEMORY indicator will light for about five seconds. While it is lit, press one of the SEA PRESET buttons to store in memory the SEA pattern currently being displayed.

⑫ VIDEO

VCR 1: Press this button to watch the source from the VCR unit connected to the VCR 1 terminals.

VCR 2: Press this button to watch the source from the VCR unit connected to the VCR 2 terminals.

⑩ SEA-Pegeltasten (SEA LEVEL)

Der eingebaute Mehrbereichsklangregler teilt das Audiospektrum in sieben Frequenzbereiche auf mit Mittenfrequenzen von 63 Hz bis 16 kHz in Abständen einer 1/3 Oktave.

Wenn die SEA-Pegelregler auf 0 (Mittelposition) eingestellt sind, ist der Frequenzgang linear. Durch Drücken der UP- und DOWN SEA LEVEL-Tasten kann der Frequenzgang in jedem Bereich um ±10 dB verändert werden.

Die Tasten für verschiedene Frequenzbereiche können gleichzeitig gedrückt werden. Werden sie gedrückt gehalten, wird der Pegel fortlaufend erhöht bzw. vermindert.

63 Hz: Erhöhen, um die sehr tiefen Bässe von Orgel, Trommel und Kontrabass hervorzuheben. Erhöhung erzeugt einen stabilen und soliden Klang. Senkung unterdrückt die unklare Klangreproduktion von niedrigen Frequenzen.

160 Hz: Erhöhen, um einen weiteren tiefen Klang zu erhalten. Durch Senken wird der unklare Kalng durch große oder fast leere Räume beseitigt.

400 Hz: Dieser Frequenzbereich bildet die Grundlage jeder Musik. Durch Erhöhung kann die Musik besonders betont werden.

1 kHz: Dieser Bereich ist am wirkungsvollsten zum Hervorheben oder Dämpfen der menschlichen Stimme. Durch Erhöhung werden Stimmen in den Vordergrund und durch Senkung in den Hintergrund gebracht.

2,5 kHz: Diese Frequenz regt das menschliche Ohr an. Wenn die Musik hart oder metallisch klingt, diesen Bereich senken.

6,3 kHz: Erhöhen, um die Streich- und Blasinstrumente klarer zu machen. Dieser Frequenzbereich variiert den tonalen Ausdruck und beeinflußt die Nuancen der Musik.

16 kHz: Durch Erhöhen dieses Frequenzbereiches werden die Höhen delikater. Becken und Triangel klingen angenehmer, wodurch ein Gefühl der Erweiterung entsteht. Dieser Frequenzbereich kann auch zum Kompensieren der Frequenzgänge von Tonabnehmern verwendet werden, da die meisten magnetischen Tonabnehmer ihre Resonanzspitzen im Bereich von 10 kHz bis 20 kHz aufweisen.

⑪ SEA-Speichertaste (SEA MEMROY)

Wenn diese Taste gedrückt wird, leuchtet die MEMORY-Anzeige für fünf Sekunden. Wird eine der SEA PRESET-Tasten gedrückt, während die Anzeige leuchtet, wird das gegenwärtig angezeigte SEA-Muster gespeichert.

⑫ Video-tasten (VIDEO)

VCR 1: Diese Taste drücken, um die Signalquelle vom VCR-gerät zu sehen, das an den VCR 1-Anschlüssen angeschlossen ist.

VCR 2: Diese Taste drücken, um die Signalquelle vom VCR-gerät zu sehen, das an den VCR 2-Anschlüssen angeschlossen ist.

MC-Service

㊸ AUDIO

CD: Press this button to listen to a compact disc player connected to the CD terminals.

PHONO: Press to listen to a turntable connected to the PHONO terminals.

FM: Press this button to listen to an FM broadcast.

AM(RX-550VBK),AM(MW/LW)(RX-550VLBK): Press this button to listen to an AM (MW/LW) broadcast.

TAPE 1: Press to listen to the tape deck connected to the TAPE 1 terminals.

TAPE 2: Press to listen to a tape deck connected to the TAPE 2 terminals. Another press of this button will release this function so that the source selected by another source select button may be heard.

Notes:

- **Press this button to monitor the recorded sound (listening to the sound just recorded) when using a three-head tape deck.**
- **The SOUND signal can be selected from a different AUDIO source in combination with the VISUAL signal originating from the VIDEO source.**
  Example: When the VCR 1·2 button and the AUDIO button are pressed:
  Now, press an AUDIO source selector button (CD, PHONO, AM, FM, TAPE 1·TAPE 2). The VISUAL signal from the VCR 1·2 terminal is output to the VIDEO MONITOR OUT terminal and the VIDEO VCR 2·1 REC terminal. The AUDIO signal from the audio source is heard from the speakers or headphones, and is output to the AUDIO, VCR REC terminal. In this way, a VCR may record the SOUND and VISUAL signal from separate sources.

㊹ ACOUSTIC EXPANDER

When this button is pressed, the ACOUSTIC EXPANDER indicator lights and the sound image is expanded; a monaural signal will be given a stereo effect and a stereo signal sounds better.

Notes:

- **When a VCR is monaural, use the L and R distributor (mono — L and R) for connecting the left and right terminals.**
- **The ACOUSTIC EXPANDER sound effect cannot be recorded.**

㊺ VOLUME (DOWN/UP)

Adjust the volume of speakers or headphones. Press the UP button once to increase the volume by one step, and the DOWN button once to decrease it by one step; this level is shown by the VOLUME indicator. Holding down one of these buttons will cause the volume to progressively rise or fall.

㊻ MUTE

Press this button, and the MUTE indicator will light and the sound will be instantaneously muted. To return the volume to its original level, press this button again, or press the BALANCE or VOLUME buttons.

㊸ AUDIO

CD: Betätigen, um vom an den CD-Buchsen angeschlossenen CD-Player wiederzugeben.

PHONO: Betätigen, um vom an den PHONO-Buchsen angeschlossenen Plattenspieler wiederzugeben.

FM: Betätigen, um eine UKW-Sendung wiederzugeben.

AM(RX-550VBK),AM(MW/LW)(RX-550VLBK): Betätigen, um eine AM (MW LW)-Sendung wiederzugeben.

TAPE 1: Betätigen, um vom an den TAPE 1-Buchsen angeschlossenen Cassettendeck wiederzugeben.

TAPE 2: Betätigen, um von dem an den TAPE 2-Buchsen angeschlossenen Cassettendeck wiederzugeben. Durch nochmaliges Betätigen dieser Taste wird diese Funktion abgeschaltet, so daß die über eine andere Signalquellentaste angewählte Signalquelle wiedergegeben wird.

Hinweise:

- **Bei Verwendung eines mit Hinterbandkontrolle ausgestattene Bandgeräts diese Funktion verwenden, um bei Aufnahme des Hinterbandsignal überwachen zu können.**
- **Es kann zum VISUAL-Signal der VIDEO-Signalquelle ein beliebiges SOUND-Signal einer AUDIO-Signalquelle gewählt werden.**
  Beispiel: Wenn die VCR 1·2-Taste und die AUDIO-Taste gedrückt sind: Jetzt eine AUDIO-Signalquellentaste (CD, PHONO, AM, FM, TAPE 1·TAPE 2), drücken Das VISUAL-Signal vom VCR 1·2-Anschluß wird zum VIDEO MONITOR OUT-Anschluß und zum VIDEO VCR 2·1 REC-Anschluß ausgegeben. Das AUDIO-Signal von der Audio-signalquelle wird von den Lautsprechern oder dem Kopfhörer gehört und wird zum AUDIO, VCR 2 REC-Anschluß ausgegeben. Auf diese Weise kann ein Videorekorder SOUND- und VISUAL-Signale von verschiedenen Signalquellen aufnehmen.

㊹ Akustikerweiterung-Taste (ACOUSTIC EXPANDER)

Wenn diese Taste gedrückt wird, leuchtet die ACOUSTIC EXPANDER-Anzeige. Dann wird das Klangbild erweitert. Monosignale erhalten einen Stereoeffekt und Stereosignale klingen noch besser.

Hinweise:

- **Bei Verwendung eines Mono-Videorekorders den linken und rechten Verteiler (Mono-L and R) zum Anschließen der rechten und linken Anschlüsse verwenden.**
- **Der Klangeffekt mit Akustikerweiterung kann nicht aufgenommen werden.**

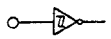
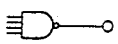
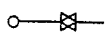
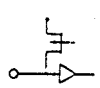
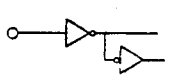
㊺ Lautstärke-Aufwärts/Abwärts-Tasten (VOLUME DOWN/UP)

Diese Tasten dienen zur Einstellung der Lautstärke der Lautsprecher und des Kopfhörers. Durch Drücken der UP-Taste wird die Lautstärke um eine Stufe erhöht und durch Drücken der DOWN-Taste um eine Stufe gesenkt. Die Lautstärke wird von der VOLUME-Anzeige angezeigt. Wird eine dieser Tasten gedrückt gehalten, wird die Lautstärke fortlaufend erhöht bzw. gesenkt.

㊻ Dämpfungs-Taste (MUTE)

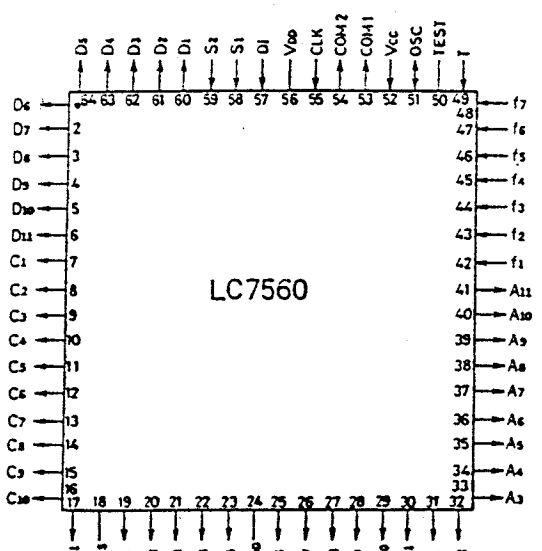
Durch Drücken dieser Taste leuchtet die MUTE-Anzeige, und der Klang wird augenblicklich gedämpft. Durch erneutes Drücken dieser Taste oder der BALANCE- oder VOLUME-Taste wird der vorige Lautstärkepegel wieder hergestellt.

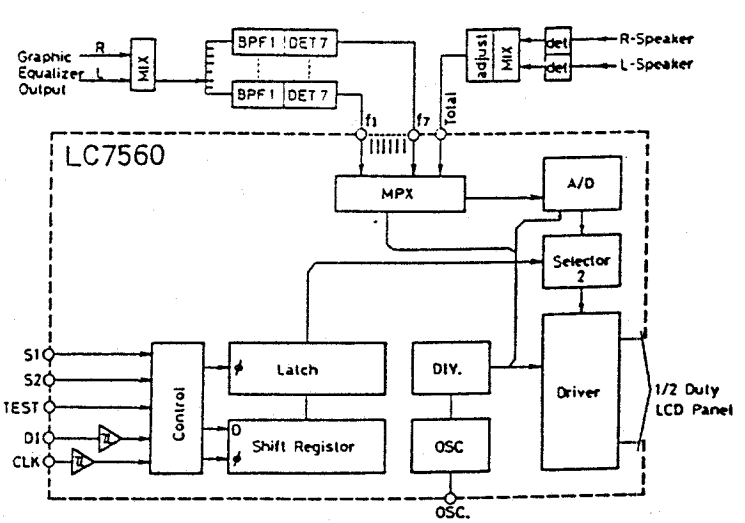
IC401: LC7560 (L.C.Display Driver)

Name	Number	Terminal type	Explanation
VDD	24,56		+13V power supply for A/D conversion
Vcc	52	——	+5V power supply for operating the microcomputer
VSS	18		0V
DI	57		For data input from CPU (Schmitt inverter type)
CLK	55		For clock input from CPU (Schmitt inverter type)
COM1	53		Common output for LCD
COM2	54		Common output for LCD
A1~A11	31~41		Output for LCD segment (f1~f2 band)
B1~B11	19~30		Output for LCD segment (f3~f4 band)
C1~C11	7~17		Output for LCD segment (f5~f6 band)
D1~D11	60~64,1~6		Output for LCD segment (f7 band and total display)
f1~f7	42~48		Input terminal for audio signal detection output
T	49		Input terminal for total display
			Output terminal for input signal detection
OSC	51		Output buffer (open drain type)
			External CR connection terminal for oscillator
S1	58		Chip select terminal when several chips (4 max.) are used.
S2	59		

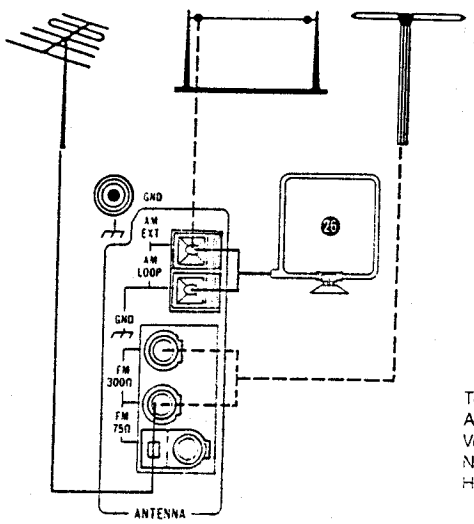
S1	S2	Key code
1	1	FB
0	1	FA
1	0	F9
0	0	F8

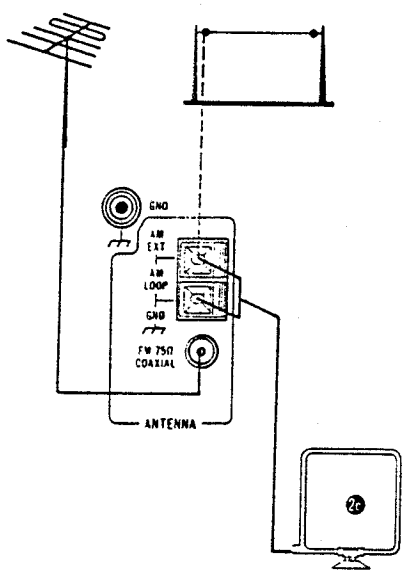
IC401: LC7560


LC7560
D5 D4 D3 D2 D1 S2 S1 DI VDD CLK COM2 COM1 VCC OSC TEST T
D6 D7 D8 D9 D10 D11 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10
f7 f6 f5 f4 f3 f2 f1 A11 A10 A9 A8 A7 A6 A5 A4 A3
C11 VSS B1 B2 B3 B4 B5 VDD B6 B7 B8 B9 B10 B11 A1 A2



MC-Service





(For W. Germany)
(Für Bundersrepublik Deutschland)
(Pour l'Allemagne de l'Ouest)
(Voor West-Duitsland)
(Para Alemania Occidental)

Fig. 2
Abb. 2
Afb. 2

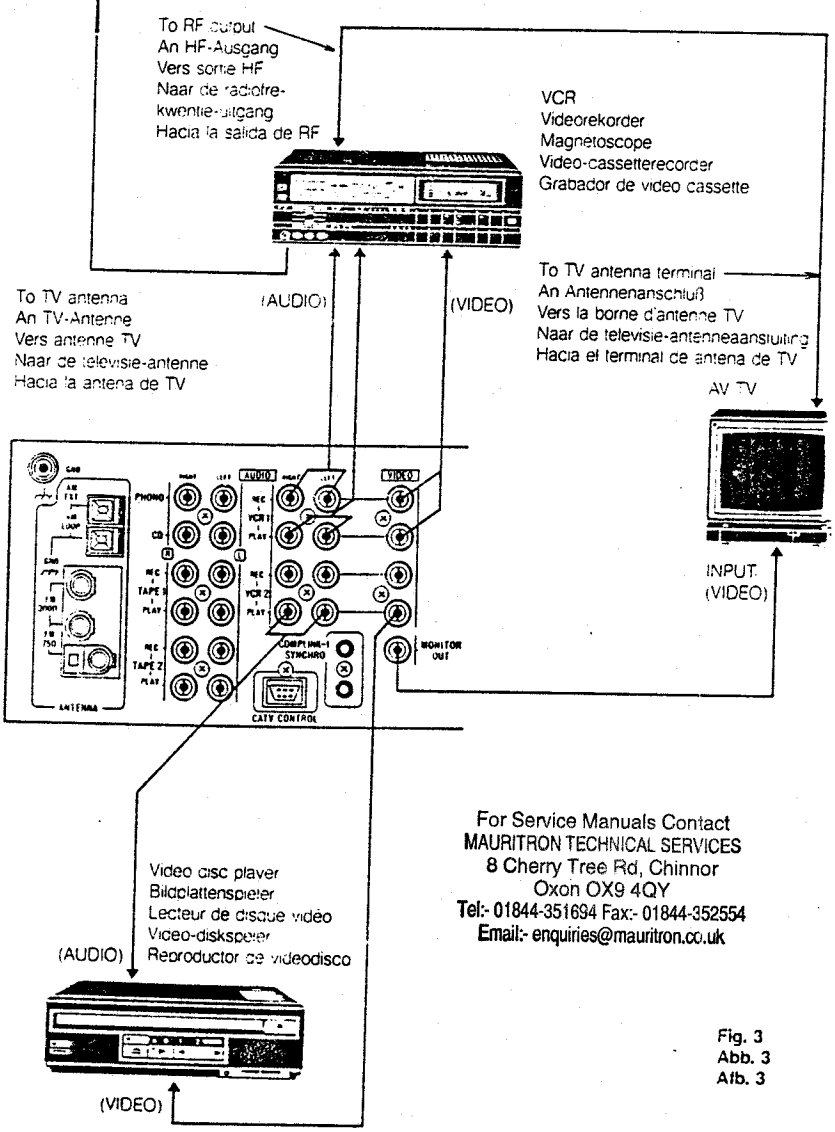


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Fig. 3
Abb. 3
Afb. 3

❶ Bornes d'antenne externe (ANTENNA)
❷ Borne de mise à la terre (GND)
❸ Borne de contrôle CATV (CATV CONTROL)** Raccorder un appareil de contrôle d'antenne CATV optionnel. Pour le raccordement, se référer au manuel d'instructions de l'appareil de contrôle d'antenne CATV.

❶ Aansluitingen voor een buitenantenne (ANTENNA)
❷ Aardaansluiting (GND)
❸ CATV CONTROL aansluiting (CATV regeling)** Sluit de los verkrijgbare CATV-antenne-regeleenheid aan. Zie de gebruiksaanwijzingen van de CATV-antenneregeleenheid voor het aansluiten.

❶ Terminales de antena externa (ANTENNA)
❷ Terminal de puesta a tierra (GND)
❸ Terminal de control CATV (CATV CONTROL) Conecte la unidad de control de antena CATV opcional. Para la conexión, refiérase al manual de instrucciones de la unidad de control de antena CATV.

RX-550VBK
RX-550VLBK

AUDIO For audio signal connection
❹ PHONO terminals
❺ CD terminals
❻ TAPE 1 REC terminals
❼ TAPE 1 PLAY terminals
❽ TAPE 2 REC terminals
❾ TAPE 2 PLAY terminals
❿ VCR 1 REC terminals
⓫ VCR 1 PLAY terminals
⓬ VCR 2 REC terminals
⓭ VCR 2 PLAY terminals

Note:
- **These VCR 1 and VCR 2 terminals can also be used to receive audio signals from audio equipment.**

VIDEO ....For video signal connection
⓮ MONITOR OUT terminal
Connect the VIDEO MONITOR OUT terminal to an AV TV with a TV OUTPUT terminal or a television provided with a video input terminal, to reproduce video signals.
⓯ VCR 1 REC terminal
Connect VCR video in terminal
⓰ VCR 1 PLAY terminal
Connect any of several JVC-specified TVs, an AV TV with a LINE OUT terminal or VCR video out terminal.
⓱ VCR 2 REC terminal
⓲ VCR 2 PLAY terminal

GENERAL
⓳ AC OUTLETS (SWITCHED) (Fig. 4)
⓴ Fuse holder***
㉑ Voltage selector****
When this equipment is used in an area where the supply voltage is different from the preset voltage, reset the voltage selector to the correct position.
㉒ SPEAKERS 1 terminals
㉓ SPEAKERS 2 terminals
㉔ Power cord

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AUDIO Für Audio-Signalanschluß
❹ Plattenspieler-Anschlüsse (PHONO)
❺ CD-Spieler-Anschlüsse (CD)
❻ Tonband-1-Aufnahmeanshlüsse (TAPE 1 REC)
❼ Tonband-1-Wiedergabeanschlüsse (TAPE 1 PLAY)
❽ Tonband-2-Aufnahmeanschlüsse (TAPE 2 REC)
❾ Tonband-2-Wiedergabeanschlüsse (TAPE 2 PLAY)
❿ VCR 1 REC-Anschlüsse (VCR 1 REC)
⓫ VCR 1 PLAY-Anschlüsse (VCR 1 PLAY)
⓬ Videokassettenrekorder-Aufnahmeanschlüsse (VCR 2 REC)
⓭ Videokassettenrekorder-Wiedergabean schlüsse (VCR 2 PLAY)

Hinweis:
- **Diese VCR 1- und VCR 2-Anschlüsse können auch zum Empfang von Audiosignalen von Audiogeräten verwendet werden.**

VIDEO .....Für Videosignalverbindung
⓮ Monitorausgang (MONITOR OUT)
Ausgang VIDEO MONITOR mit der TV-Ausgangsbuchse eines AV-TV- Geräts, bzw. mit dem Videoeingang eines TV-Geräts verbinden, um Videosignale zu zeigen.
⓯ Buchse VCR 1 REC
An VIDEO-Eingangsbuchse des Videorecorcers anschließen.
⓰ Video 1-Buchsen (VIDEO 1)
Mit dem Line-Ausgang eines JVC TV-Geräts oder AV-TV-Geräts verbinden oder einem Videogerät mit VIDEO OUT-Buchse.
⓱ Videokassettenrekorder-Aufnahmeanschluß (VCR 2 REC)
⓲ Videokassettenrekorder-Wiedergabeanschluß (VCR 2 PLAY)

ALLGEMEIN
⓳ Beschaltete Netzausgänge (SWITCHED AC OUTLETS) (Abb. 4)
⓴ Sicherunghalter***
㉑ Spannungswahler****
Wenn die zu verwendende Netzspannung von der voreingestellten Betriebsspannung dieses Geräts abweicht, mit dem Spannungswähler die erforderliche Spannung einstellen.
㉒ Lautsprecher-1-Anschlüsse (SPEAKERS 1)
㉓ Lautsprecher-2-Anschlüsse (SPEAKERS 2)
㉔ Netzkabel

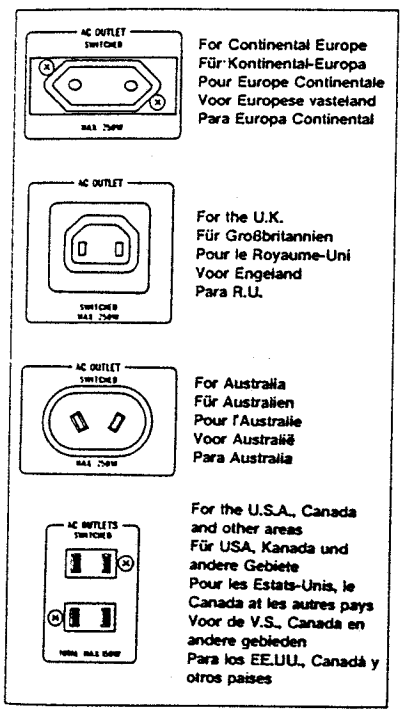
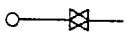
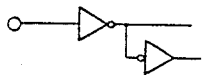


Fig. 4
Abb. 4
Afb. 4

IC504:LC7522 (Graphic Equalizer)

Name	Number	Terminal type	Explanation
VDD Vref VSS VEE	1 15 18 14	——	+7V power supply for audio signal +5V power supply for operating the microcomputer 0V -7V power supply for audio signal
DI	16		For data input from CPU (Schmitt inverter type)
CLK	17		For clock input from CPU(Schmitt inverter type)
GND	-	——	Audio signal line GND
IN1	2,27		For audio signal input IN1 connected to the inversion input of the operation amplifier
IN2	3,26		IN2 connected to the non-inversion input of the operation amplifier Provided for both left and right channels.
f1~f7	10~4,19~25		For connection to the band pass filter f1~f7 for left and right channels (total 14)
S	13		Select terminal when using 2 chips 7C3 is connected to Vdd with key code "1" input 7C2 is connected to Vee with key code "0" input

IC504: LC7522

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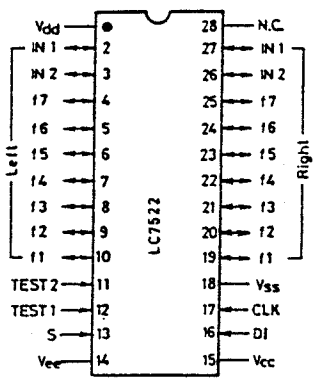

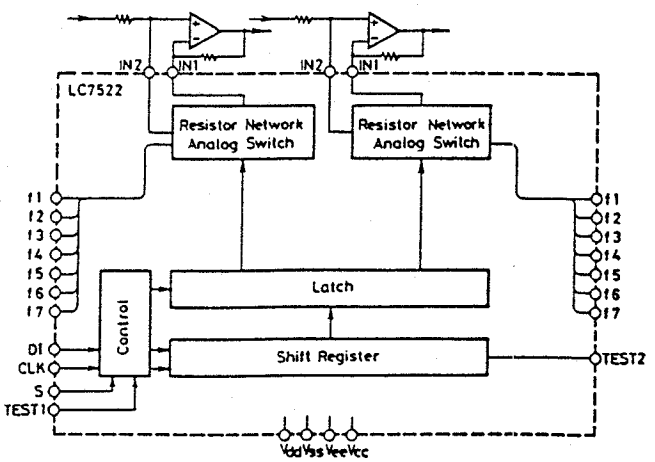

RX-550VBK
RX-550VLBK

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CONNECTION DIAGRAM
ANSCHLUSSDIAGRAMM
DIAGRAMME DES RACCORDEMENTS
AANSLUITINGSSCHEMA
DIAGRAMA DE CONEXIONES

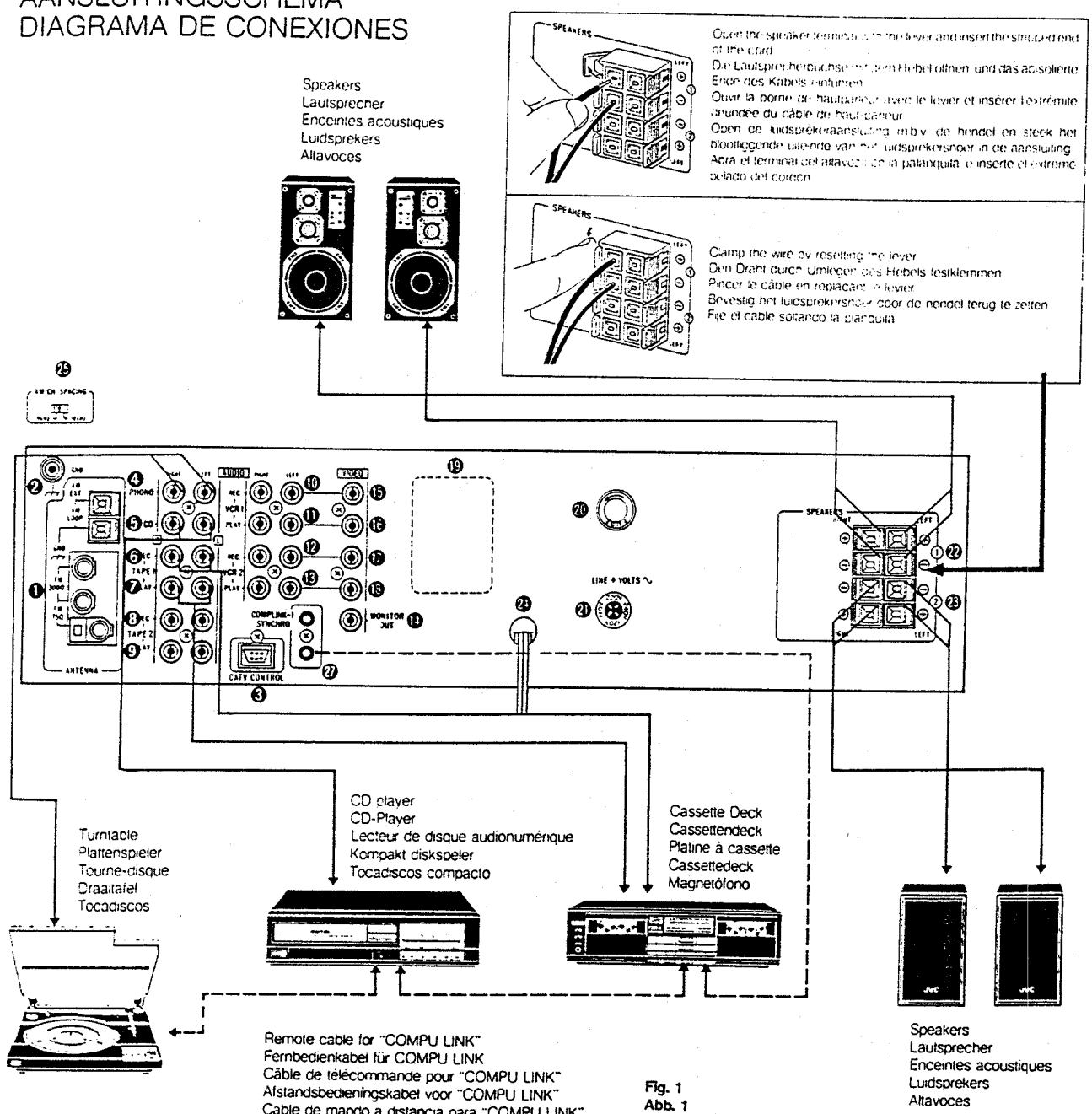

Fig. 1
Abb. 1
Afb. 1

❶ External ANTENNA terminals
❷ GND terminal
❸ CATV CONTROL terminal**
Connect the optional CATV antenna control unit. To connect, refer to the instruction book of the CATV antenna control unit.

❶ Antennenanschlüsse (ANTENNA)
❷ Erdungsanshluß (GND)
❸ Gemeinschaftsantennen-Steuerungsanschluß (CATV CONTROL)**
Die Gemeinschaftsantennen-Steuerungseinheit (Sonderzubehor) anschließen. Zum Anschließen siehe die Bedienungsanleitung der CATV-Antennen-Steuerungseinheit.

IC441 : MN17861JSF1

Pin No.	Symbol	Name	I/O	Terminal Function
1	RST	RESET	I	Reset signal input
2	X2	---	O	Not used.
3	X1/TCIA	---	I	Not used.
4	Vss	Vss	I	GND
5	OSC2	OSC2	O	Connect the ceramic resonator.
6	OSC1	OSC1	I	Connect the ceramic resonator.
7	Vdd	Vdd	I	+5V
8	PX0	TUNER MUTE	O	"L" output when tuner source is selected.
9	PX1	A-EXPANDER	O	"H" output when acoustic expander "ON".
10	PX2	Vout	O	Video switch control; "H" output when VCR2 selected.
11	PX3	STROBE	O	Connect the STROBE terminal of TC9162N, TC9164N and TC9177P.
12	P00	RM IN	I	Remote control signal input
13	P01	RECEIVED	O	Remote control received indicator output ("H" output)
14	P02	DCS IN	I	COMPU-LINK signal input
15	P03	DCS OUT	O	COMPU-LINK signal output
16~19	P10~13	KEY OUTPUT	O	Key matrix output
20	P20	KEY OUTPUT	O	Key matrix output
21	P21	KEY OUTPUT	O	Key matrix output
22	P22	KEY OUTPUT	O	Key matrix output
23	P23	KEY OUTPUT	O	Key matrix output
24	P30	KEY OUTPUT	O	Key matrix output
25~27	P31~33	KEY OUTPUT	O	Key matrix output
28,29	P40,41	KEY INPUT	I	Key matrix input
30	P42	SEA CK	O	Connect the CK terminal of LC7560 and LC7522.
31	P43	SEA DI	O	Connect the DI terminal of LC7560 and LC7522.
32	P50	POWER	O	AC relay drive
33	P51	---	-	Not used.
34	P52	---	-	Not used.
35	P53	LCD CONTROL	O	"L" output
36	VLC1	VLC1	I	LCD drive bias
37	VLC2	VLC2	I	LCD drive bias
38	VLC3	VLC3	I	LCD drive bias
39	COM0	COM0	O	LCD common 0
40	COM1	COM1	O	LCD common 1
41	COM2	COM2	O	Not used.
42	COM3	COM3	O	Not used.
43~53	SEG 0~10	SEG 0~10	O	LCD segment
54	SEG11	SEG11	-	Not used.
55~72	SEG 12~29	SEG 12~29	O	LCD segment
73	SEG30	SEG30	-	Not used.
74	SEG31	SEG31	-	Not used.
75	PB2	PB2	I	Key matrix input
76	PB3	PB3	I	Key matrix input
77	PC0	TEST	I	Test mode input
78	PC1	CLK	O	Connect the CLK terminal of TC9162N, TC9164N and TC9177P.
79	PC2	INH	I	INHIBIT input
80	PC3	DATA	O	Connect the DATA terminal of TC9162N, TC9164N and TC9177P.
81	PB0	PB0	I	Key matrix input
82	PB1	PB1	I	Key matrix input
83	IRQ0	IRQ0	I	INHIBIT input
84	SYNC	SYNC	O	Not used.

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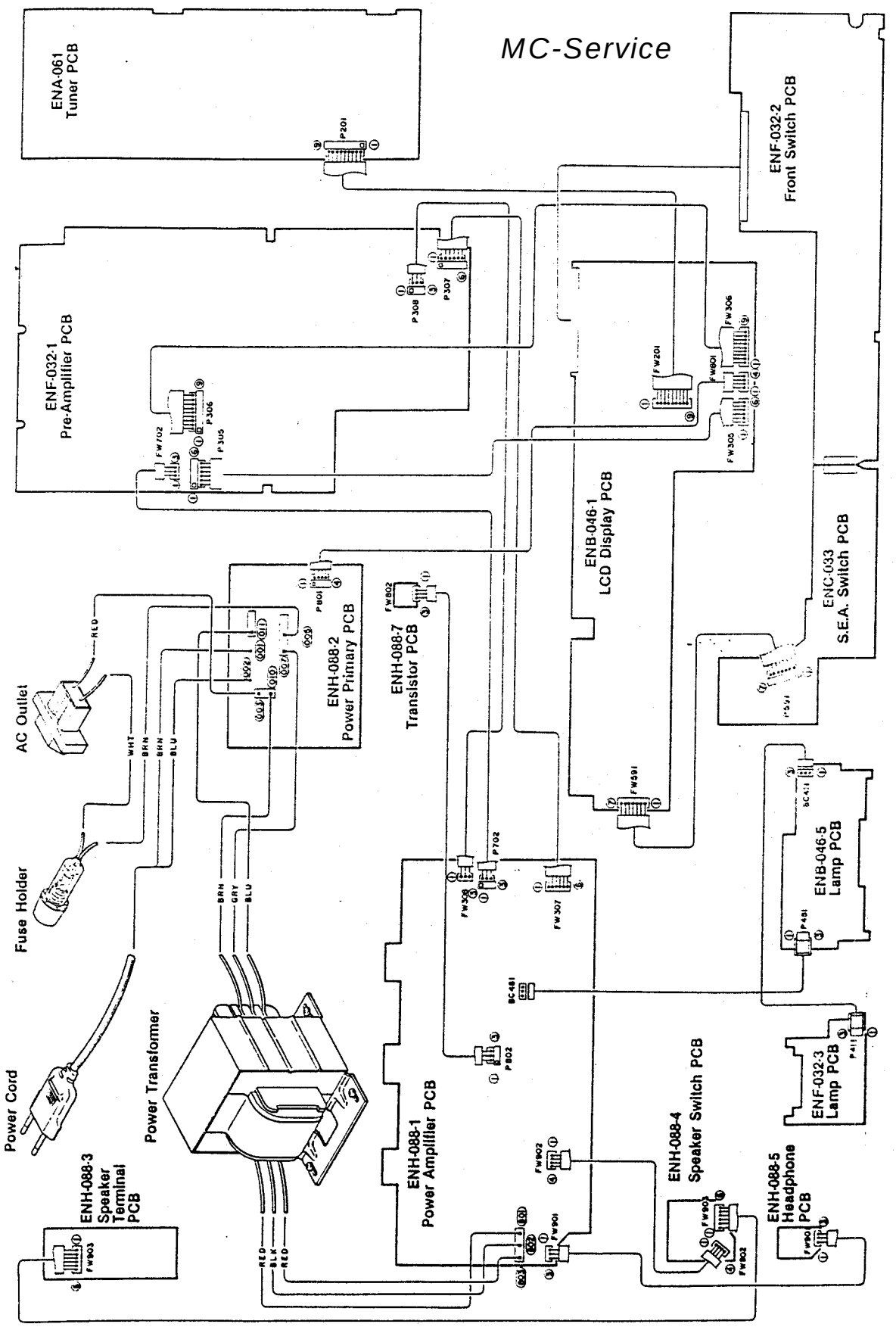
7. Connection Diagram



COMPU LINK REMOTE CONTROL SYSTEM

The COMPU LINK REMOTE CONTROL SYSTEM was developed by JVC. You can not only control each COMPU LINK component from the remote control unit, but also perform the following advanced operations with ease.

Automatic source selection

If the attached remote cable is used to connect this unit to other JVC components with COMPU LINK-1/SYNCHRO terminals, sources can be switched with just one touch of this unit's source selector buttons and the corresponding component will start to play automatically. The source select button of the remote control unit or the appropriate component's activation button may also be used.

When switching over from one component to another, such as the cassette deck, turntable or CD player, the previous component will stop playing after about five seconds.

Synchronized recording

Synchronized recording refers to the process whereby the cassette deck automatically commences recording, in synchronization with the CD player or turntable.

Set the cassette deck to REC/PAUSE mode according to the procedures in the instruction manual. When synchronously recording the CD player, push the PLAY button on the CD player.

The cassette deck enters the record mode the moment the CD player starts and synchronized recording commences.

Synchronized recording stops automatically when the CD player stops playing.

To cancel synchronized recording, push the STOP button of the CD player, turntable or cassette deck.

Notes:

- **When the REC/PAUSE mode is set by pushing PAUSE after depressing the REC and PLAY buttons simultaneously, synchronized recording is not possible. For details, refer to your cassette deck's instruction manual.**
- **Abnormal operation will result if the power supply of one of the components is interrupted during synchronized recording. If this happens, push the activation button again to restart.**
- **Ensure that the COMPU LINK-1/SYNCHRO terminal of each component is connected with the attached remote cable. Be sure to read the instruction manual for each component very carefully.**
- **The source is locked to CD or PHONO position during synchronized recording to avoid accidental stops or changing to another source. To change the source, first cancel the synchronized recording.**

COMPU LINK-FERNBEDIENSYSTEM

Das COMPU LINK-FERNBEDIENSYSTEM ist eine JVC-Entwicklung. Per Fernbedienung können nicht nur alle COMPU LINK-Komponenten gesteuert, sondern auch die folgenden Komfortfunktionen geregelt werden.

Automatische Signalquellenwahl

Wenn dieses Gerät mit dem mitgelieferten Fernbedienkabel an andere, mit COMPU LINK-1/SYNCHRO-Buchsen ausgestattete JVC Komponenten angeschlossen wird, können diese Komponenten mit nur einem Druck der erforderlichen Signalquellentaste an diesem Gerät auf Wiedergabestart geschaltet werden. Signalquellentasten an der Fernbedienung und die entsprechende Funktionstaste an der jeweiligen Komponente können gleichfalls verwendet werden.

Bei Umschaltung von einer Komponente zur anderen, z.B. Kassettendeck, Plattenspieler oder CD-Player stoppt die Wiedergabe des vorherigen Geräts nach ca. 5 Sekunden.

Synchro-Aufnahme

Synchro-Aufnahme bedeutet simultaner automatischer Aufnahmestart des Kassettendecks bei Wiedergabestart von Plattenspieler oder CD-Player.

Das Kassettendeck entsprechend den Angaben in der Bedienungsanleitung auf Aufnahmepause schalten.

Bei Synchro-Aufnahme vom CD-Player dessen PLAY-Taste betätigen.

Das Kassettendeck schaltet bei CD-Wiedergabestart automatisch auf Aufnahme, die Synchro-Aufnahme startet.

Die Synchro-Aufnahme stoppt automatisch bei Wiedergabeende des CD-Players.

Zur Abschaltung der Synchro-Aufnahme die STOP-Taste von CD-Player, Plattenspieler oder Kassettendeck betätigen.

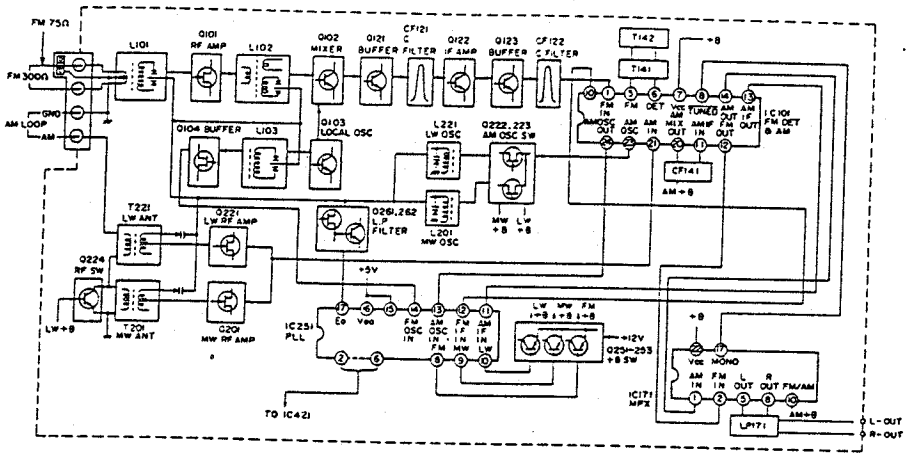
Hinweise:

- **Wenn zur Umschaltung auf Aufnahmepause die PAUSE-Taste nach gleichzeitigem Drücken von REC- und PLAY-Taste betätigt wird, ist keine Synchro-Aufnahme durchführbar. Detaillierte Angaben hierzu siehe die Bedienungsanleitung des Kassettendecks.**
- **Wird die Spannungsversorgung einer Komponente bei Synchro-Aufnahme unterbrochen, treten Betriebsstörungen auf. In diesem Fall zum erneuten Start die Funktionstaste betätigen.**
- **Sicherstellen, daß die COMPU LINK-1/SYNCHRO-Buchse jeder Komponente über das mitgelieferte Fernbedienkabel angeschlossen ist. Die Angaben der jeweiligen Komponenten-Bedienungsanleitung sorgfältig beachten.**
- **Bei Synchro-Aufnahme ist die Signalquelle in Position CD oder PHONO arretiert, um unbeabsichtigte Unterbrechungen oder Umschaltung auf andere Signalquellen zu verhindern. Zur Signalquellenumschaltung zunächst die Synchro-Aufnahmefunktion abschalten.**

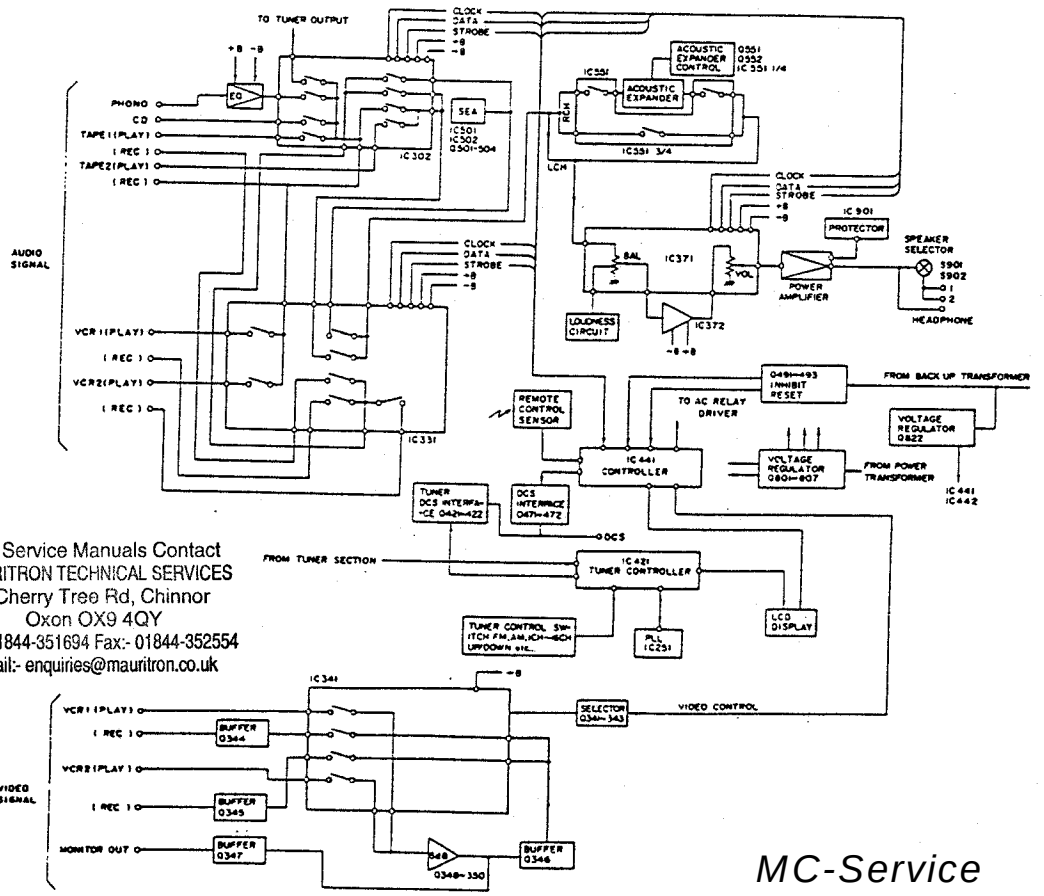
MC-Service

1. Block Diagram

■ Tuner Section



■ Control and Amplifier Section



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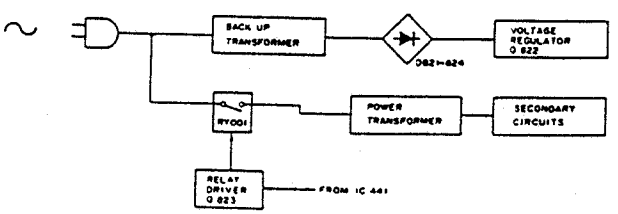
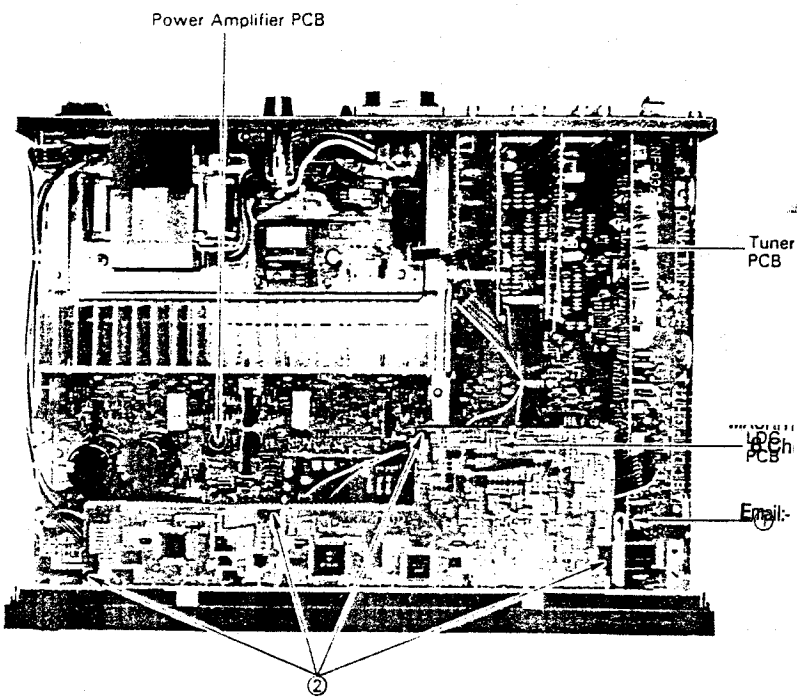
MC-Service

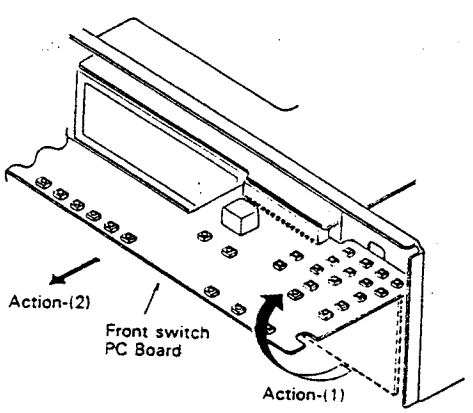
■ Power Supply Section

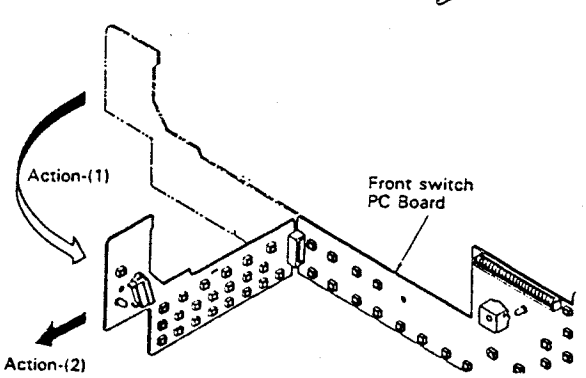


RX-550VBK
RX-550VLBK

2. Removal Procedures







2-(1) Removal of Top Cover

1. Remove four screws on both sides.
2. Remove two screws on the rear panel.
3. Lift up the rear-end of the top cover and take it out.

2-(2) Removal of Front Panel

1. Put out three plastic rivets securing the front panel from the top.
2. Remove three screws securing the front panel from the bottom.

2-(3) Removal of Tuner PCB

1. Remove two screws securing the antenna terminal on the rear panel.
2. Loosen the screws securing the rear panel.
3. Pull out a plastic rivet ① securing the tuner PCB.
4. Pull up the tuner PC Board and take it out from the connector.

2-(4) Removal of Front Switch PCB

1. Remove the front panel. (See above item (2).)
2. Pull out three plastic rivets securing the front switch PCB from the front side.
3. Lift up the bottom-end of the front switch PCB and pull it out toward you from the connector. (See above figure.)

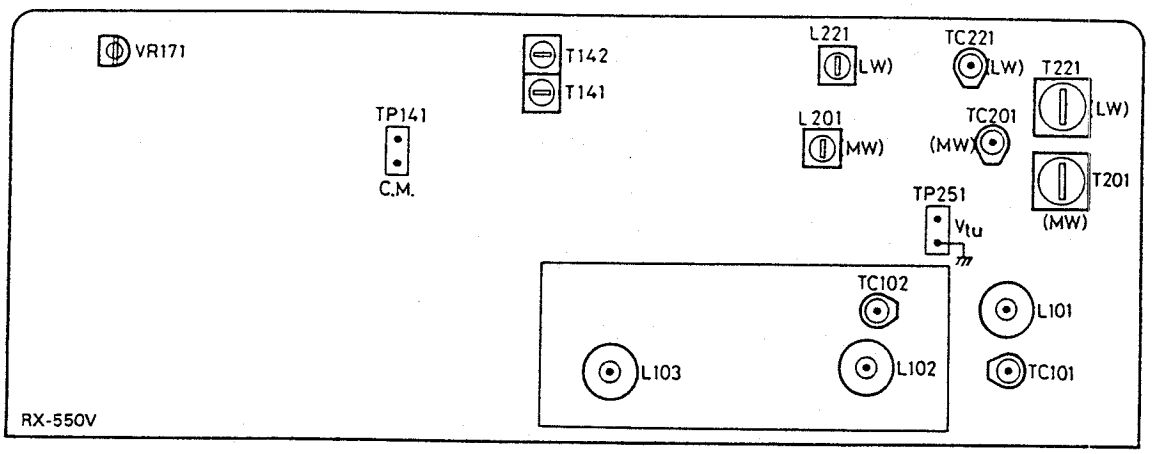
2-(5) Removal of LCD PCB

1. Remove the front switch PCB. (See above item (4).)
2. Pull out four plastic rivets ② securing the LCD PCB.

2-(6) Removal of Power Transistor

1. Dismount the bottom cover by removing ten screws from the bottom.
2. Resolder the pins of power transistors.
3. Remove the screw securing the heat-sink by a bended screwdriver.

3. FM/MW/LW Tuner Alignment Procedures



3-(1) Front-end Section

FM oscillator coil : L103

1. Set the frequency display to "108.0 MHz" and the FM MODE switch to "MONO" position.
2. Confirm that the noise occurs in the condition of no signal input.
3. Adjust L103 so that the output of test point "TP251" becomes 8.3 V ± 0.1 V.
4. Set the frequency display to "87.5 MHz" and confirm that the output of test point "TP251" is 1.8 V ± 0.3 V.

FM antenna coil : L101,L102

5. Adjust L101 and L102 to obtain the maximum sensitivity at 89.9 MHz.

FM antenna trimmer : TC101,TC102

6. Adjust TC101 and TC102 to obtain the maximum sensitivity at 105.9 MHz.
7. Repeat the above adjustments of L101,L102,TC101 and TC102.

3-(2) IF, Detection and MPX

FM detector coil : T141,T142

1. Connect a center-meter or a digital voltmeter to test point "TP141", and tune in a 100.1 MHz signal (1 kHz modulation, 75 kHz or 40 kHz deviation) in the condition of SSG ATT 70dB.
2. Adjust T141 so that the center-meter indicates "0" or the digital voltmeter reads 0 mV ± 1.5 mV.
3. At the same time, adjust T142 so that the distortion of audio output is minimized.

Stereo Separation : VR171 (for Continental Europe, U.K. and Australia)

1. Tune in a 98.1 MHz stereo signal.
2. Adjust VR171 so that the channel separation becomes maximum.

3-(3) LW Section

LW oscillator coil : L221

1. Set the frequency display to 144 kHz.
2. Adjust L221 to obtain 1.0 V ± 0.1 V at test point "TP251".
3. Set the frequency display to 353 kHz and confirm that the output of test point "TP251" is 7.2 V ± 1.2V.

Note: If its output is over 9 V at 353 kHz , adjust L221 to obtain 9.0 V.

LW antenna coil : T221

4. Connect a loop antenna to the "AM LOOP" terminal on the rear panel.
5. Adjust T221 to obtain the best receiving sensitivity on 164 kHz.

LW antenna trimmer : TC221

6. Adjust TC221 to obtain the best receiving sensitivity on 353 kHz.
7. Repeat the above adjustments of T221, TC221.

Note: After this alignment, confirm the MW section alignment.

3-(4) MW Section

MW oscillator coil : L201

1. Set the frequency display to (522 kHz or 530 kHz) and confirm that the output of test point "TP251" is 1.1 V ± 0.2 V.
2. Set the frequency display to 1710 kHz (for U.S.A. only) and confirm that the output of test point "TP251" is 8.2 V ± 0.8 V.
3. Set the frequency display to 1629 kHz or 1630 kHz (except for U.S.A.) and confirm that the output of test point "TP251" is 7.5 V ± 0.8 V.

MW antenna coil : T201

4. Connect a loop antenna to the "AM LOOP" terminal on the rear panel.
5. Adjust T201 to obtain the best receiving sensitivity on (603 kHz or 600 kHz).

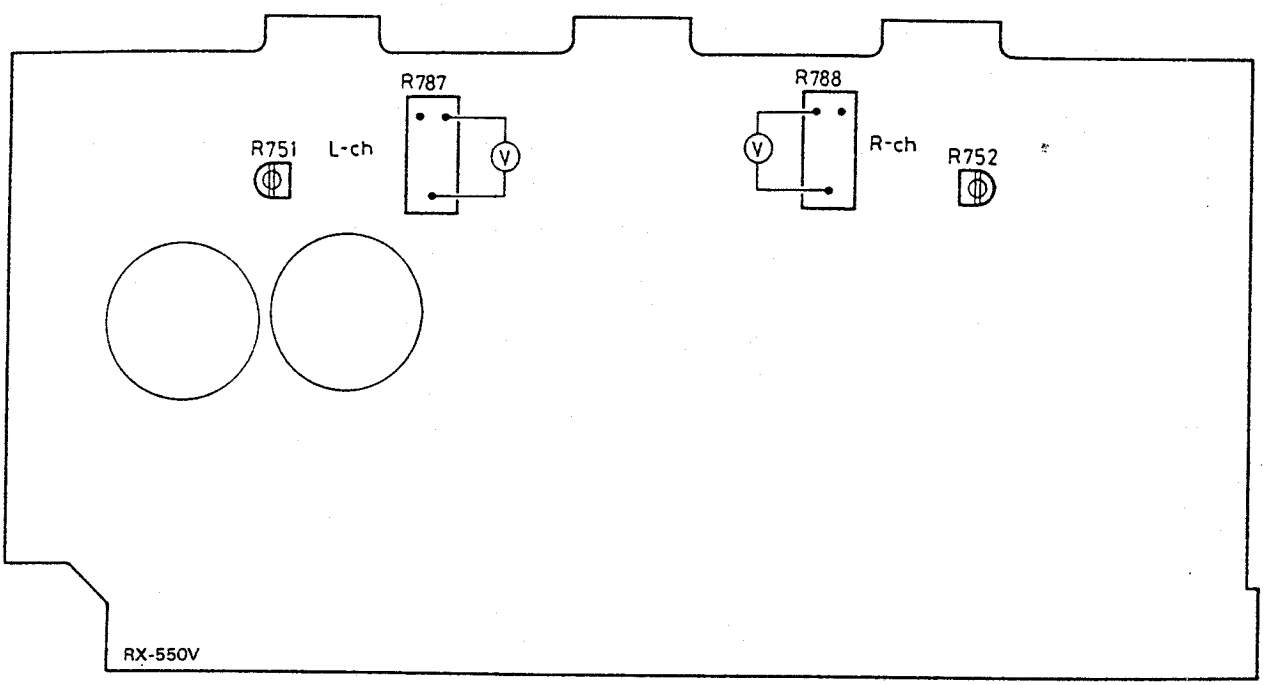
MW antenna trimmer : TC201

6. Adjust TC201 to obtain the best receiving sensitivity on (1404 kHz or 1400 kHz).
7. Repeat the above adjustments of T201, TC201.

MC-Service

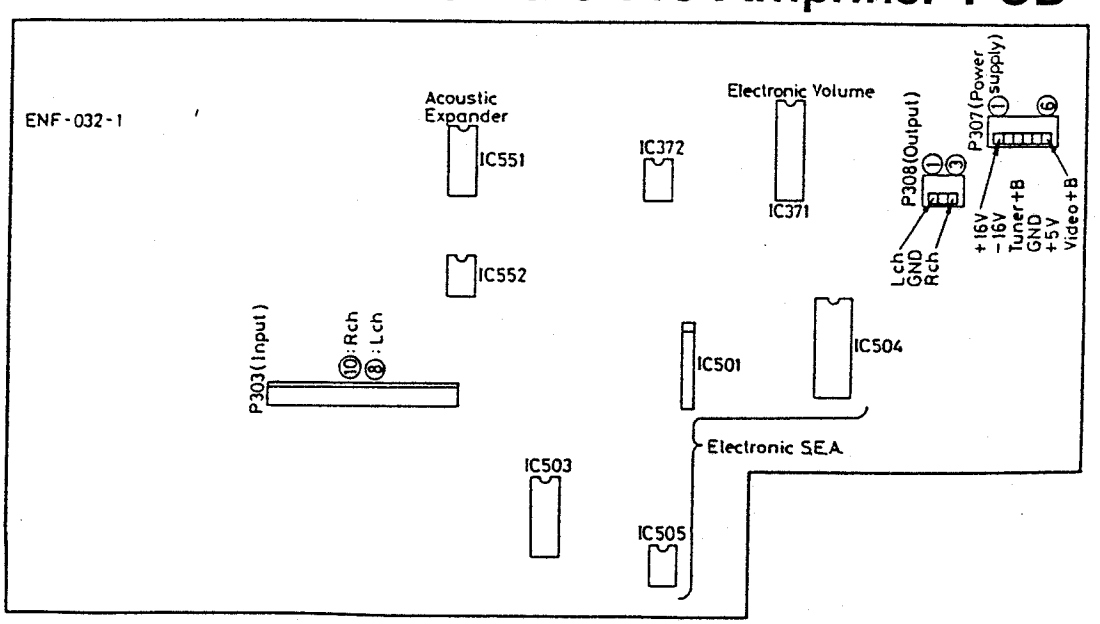
RX-550VBK
RX-550VLBK

4. Power Amplifier Idling Current Adjustment



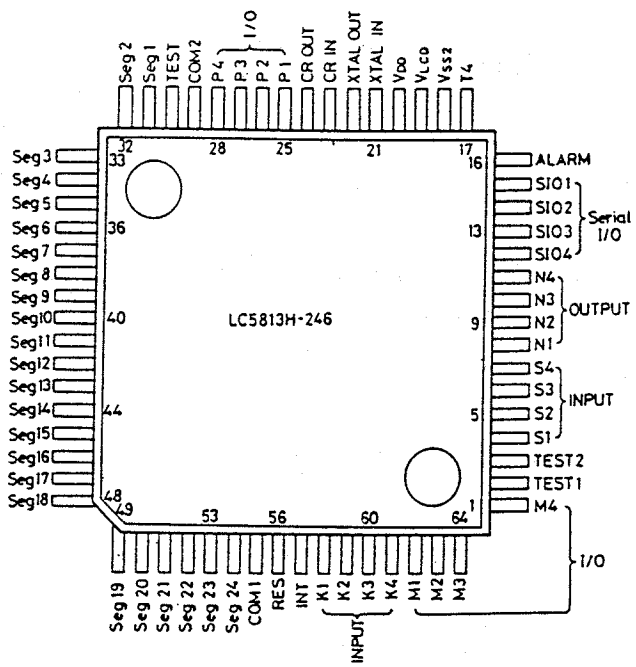
1. Turn R751 and R752 fully counterclockwise before the power switch "ON".
2. Allow the set warm up at least 5 minutes before adjustment.
3. Must keep the heat-sink to prevent overheating before adjustment.
4. Set the volume control to minimum during this adjustment.
5. Connect a digital voltmeter to R787 resistor's leads for left channel, or to R788's leads for right channel.
6. Adjust R751 for left channel, or R752 for right channel, so that the digital voltmeter reads 3 ~ 5 mV.

5. Function of ICs on the Pre-Amprifier PCB



6. Internal Block Diagrams of Major LSI, ICs

IC421: LC5813H-246



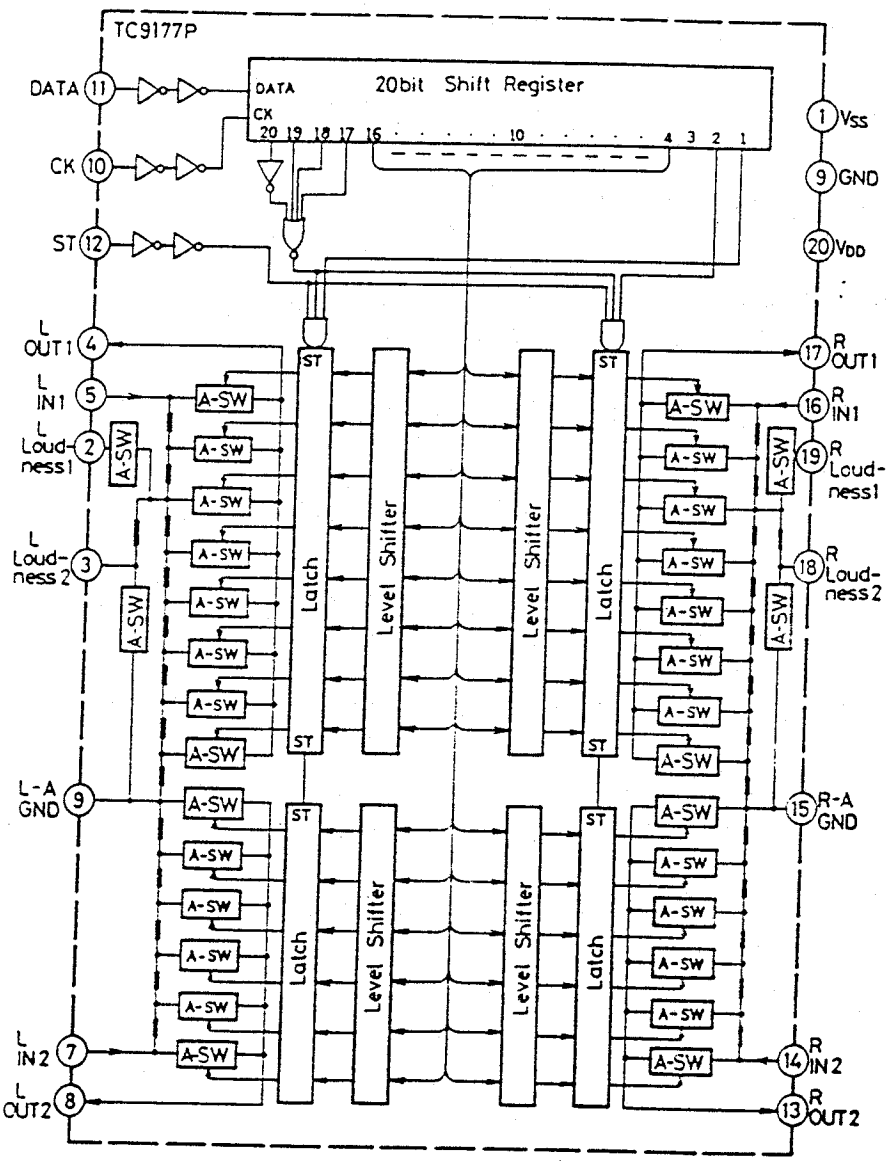
MC-Service

IC421:LC5813H-246

Pin No.	Symbol	Name	I/O	Terminal Function
1	M4	M4	O	Key output
2	TEST 1	TEST 1	---	Not used.
3	TEST 2	TEST 2	---	Not used.
4	S1	S1	I	Port for key input;Compose the key matrix with M1~M4.
5	S2	S2	I	Port for key input;Compose the key matrix with M1~M4.
6	S3	S3	I	Port for key input;Compose the key matrix with M1~M4.
7	S4	INH	I	Back-up detection
8	N1	MUTE	O	When Muting ON, output is "H".
9	N2	MONO	O	When MONO, output is "H".
10	N3	CATV	O	Display input of CATV
11	N4	POWER	O	When POWER ON, output is "L".
12	SIO4	STRQ	O	Connect the STRQ of LM7000N.
13	SIO3	CLK	O	Connect the CLK of LM7000N.
14	SIO2	DATA	O	Connect the DATA of LM7000N.
15	SIO1	CE	O	Connect the CE of LM7000N.
16	ALARM	COMPU-LINK	O	Line data output of COMPU-LINK (Positive Logic)
17	T4	T4	---	Not used.
18	Vss2	Vss2	---	GND
19	VLCD	VLCD	---	Voltage reference of LCD (Light at 0V)
20	VDD	VDD	---	+5V
21	X'tal IN	X'tal IN	---	Not used.
22	X'tal OUT	X'tal OUT	---	Not used.
23	CR IN	CR IN	---	Connect the ceramic oscillator.
24	CR OUT	CR OUT	---	Connect the ceramic oscillator.
25	P1	COMPU-LINK	I	Line data input of COMPU-LINK (Negative Logic)
26	P2	STOP IN	I	Input of "AUTO STOP"
27	P3	SIGNAL IN	I	Input of "TUNED" display
28	P4	STEREO IN	I	Input of "STEREO" display
29	COM2	COM2	O	Common 2 of LCD
30	TEST	TEST	---	Not used.
31~54	SEG1~24	SEG1~24	O	1~24 segments of LCD
55	COM1	COM1	O	Common 1 of LCD
56	RES	RES	I	Input of RESET
57	INT	INT	I	Input of Interrupt
58	K1	K1	I	Key input;Compose the key matrix with M1~M4.
59	K2	K2	I	Key input;Compose the key matrix with M1~M4.
60	K3	K3	I	Key input;Compose the key matrix with M1~M4.
61	K4	K4	I	Key input;Compose the key matrix with M1~M4.
62	M1	M1	O	Key output
63	M2	M2	O	Key output
64	M3	M3	O	Key output

RX-550VBK
RX-550VLBK

IC371: TC9177P



IC371 : TC9177P

Pin No.	Symbol	Terminal Function
1	Vss	(-)Power supply
2	L-Loudness1	Terminal for Loudness (L-ch)
3	L-Loudness2	Terminal for Loudness (L-ch)
4	L-OUT1	10 dB step attenuator output
5	L-IN1	10 dB attenuator input
6	A-GND	Ground (Power supply)
7	L-IN2	2 dB attenuator input
8	L-OUT2	2 dB step attenuator output
9	GND	Ground (Signal)
10	CK	Clock input
11	DATA	Data input
12	ST	Strobe input
13	R-OUT2	2 dB step attenuator output
14	R-IN2	2 dB attenuator input
15	A-GND	Ground (Power supply)
16	R-IN1	10 dB attenuator input
17	R-OUT1	10 dB step attenuator output
18	R-Loudness2	Terminal for Loudness (R-ch)
19	R-Loudness1	Terminal for Loudness (R-ch)
20	Vdd	(+)Power supply

When using 2 FM antennes
Verwendung von 2 UKW-Antennen
Utilisation de 2 antennes FM
Bij gebruik van 2 FM-antenne's
Cuando utilice 2 antennas de FM

- CATV antenna control unit can also be used as a switching unit for 2 FM antennas
- Die Kabel-TV-Antennensteuereinheit kann kann auch als Umschalter für 2 UKW-Antennen verwendet werden
- Le boîtier de commande d'antenne CATV peut aussi être utilisé comme un commuteur pour 2 antennes FM.
- De CATV-antenneregeleenheid kan ook gebruikt worden als een schakeleenheid tussen twee FM-antenne's.
- También puede utilizarse la unidad de control de antena CATV como unidad de conmutación para 2 antenas de FM

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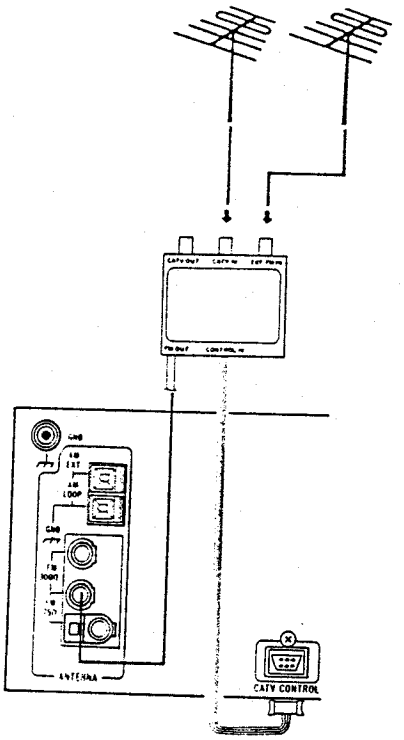


Fig. 7
Abb. 7
Afb. 7

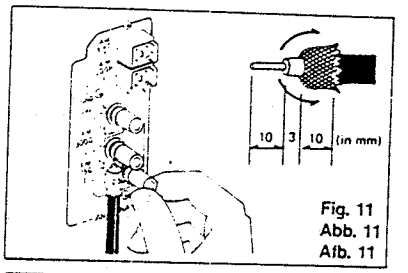


Fig. 11
Abb. 11
Afb. 11

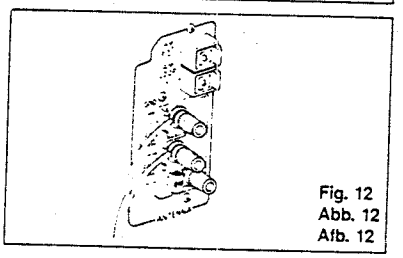


Fig. 12
Abb. 12
Afb. 12

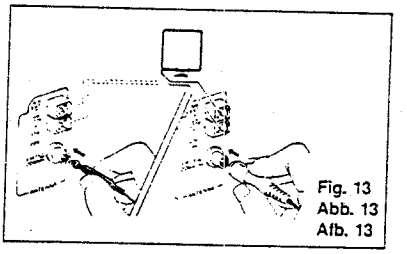


Fig. 13
Abb. 13
Afb. 13

Antennes AM (Fig. 8, 9)

- Montage de l'antenne à boucle AM (Fig. 8)
  Dresser l'antenne à boucle sur le support, puis la glisser comme montre jusqu'à ce qu'elle tienne bien en place.
- Si trop de bruit est produit (Fig. 9)
  Changer la direction de l'antenne à boucle ou la réinstaller dans une position où la réception est meilleure.
- Antenne AM externe (Fig. 10)
  Si la réception AM n'est pas bonne, raccorder une antenne AM externe (angenne à fil simple) à la borne AM ANTENNA.

Remarques:

- **Si l'antenne à boucle fournie n'est pas en place et que ses fils sont fixés ou que les fils d'antenne touchent le panneau arrière, il sera impossible de recevoir les émissions AM.**
- **Lors de l'installation d'une antenne AM externe, laisser l'antenne à boucle AM raccordée.**
- **Si l'antenne à boucle AM est trop près des bornes de haut-parleurs, il y a risque de bruit et elle doit être eloignée du panneau arrière.**

Antennes FM

- Antenne de 75 ohms avec conducteur co-axial (Fig. 11)
  Desserrer les vis sur le collier et insérer le câble dans la bague depuis le dessous. Raccorder ensuite le fil dénudé sur la borne supérieure. La bague du collier sert de borne de mise à la terre.
- Antenne à câble plat (Fig. 12)
  La raccorder à la borne de 300 ohms.
  Attention à ce que les fils de l'antenne à câble.

Pour l'allemagne de l'Ouest (Fig. 13)

- L'antenne à câble FM fournie peut être raccordée temporairement à la prise co-axiale de 75 ohms.
- Antenne de 75 ohms avec prise de type co-axial (DIN 45 332)
  La raccorder à la borne de 75 ohms.

AM-antenne's (Afb. 8, 9)

- Monteren van de AM-raamantenne (Afb. 8)
  Klik de raamantenne op de standaard en schuif hem daarna zoals dit wordt aangegeven, totdat de antenne stevig op zijn plaats vastgehouden wordt.
- Wanneer overmatige storing optreedt (Afb. 9)
  De antenne opstellen of verplaatsen naar een positie waar ontvangst het best is.
- Am-buitenantenne (Afb. 10)
  Sluit een AM-buitenantenne (enkeldraads-antennel aan op de AM ANTENNA aansluiting wanneer de AM-ontvangst niet voldoende is.

Opmerkingen:

- **Het is onmogelijk AM-uitzendingen to ontvangen, wanneer de bijgeleverde AM-raamantenne niet aangesloten en opgesteld is of wanneer de antennedraden het achterpaneel aanraken.**
- **Laat tevens de AM-raamantenne aangesloten bij aansluiting van een AM-buitenantenne.**
- **Als de AM-raamantenne zich te dicht bij de luidsprekeraansluitingen bevindt, kan deze ruis veroorzaken en dient dan uit de buurt van het achterpaneel geplaatst te worden.**

FM-antenne's

- 75 Ohm antenne met coaxiale draad (Afb. 11)
  Draao de schroeven op de beugel los en steek de kabel van onderen in de ring. Verbind dan de ontblootte kerndraad met de bovenste aansluiting. De beugelring funktioneert als aardaansluiting.
- Voedingsantenne (Afb. 12)
  Sluit deze aan op de 300 Ohm aansluiting.
  Zorg ervoor dat de draden van de voedingsantenne de andere aansluiting niet aanraakt.

Voor Westduitsland (Afb. 13)

- De meegeleverde FM-draadantenne kan tijdelijk aangesloten worden op de koaxiale aansluiting van 75 Ohm
- FM-antenne van 75 Ohm met koaxiale aansluiting (DIN 45332)
  Aansluiten op de 75 Ohm aansluiting.

Antenas de AM (Fig. 8 y 9)

- Cómo montar la antena de cuadro de AM (Fig. 8)
  Coloque la antena en el soporte y deslícela como se ilustra hasta que quede firmemente fijada en su lugar.
- Cuando hay demasiado ruido (Fig. 9)
  Cambie la dirección de la antena o instálela nuevamente en una posición que permita la mejor recepción.
- Antena externa AM (Fig. 10)
  Si la recepción de AM no es buena, conecte una antena externa de AM (antena monofilar) al terminal AM ANTENA

Notas:

- **Si la antena de cuandro provista no está instalada o los cables de la misma tocan el panel trasero, será imposible captar radiodifusiones en AM.**
- **Cuando instale una antena externa, deje conectada la antena de cuadro de AM.**
- **Si la antena de cuadro AM está demasiada cerca a los terminales del altavoz, puede producirse ruido y se la debera alejar del panel trasero.**

Antenas FM

- Antena de 75 ohmios con cable coaxil (Fig. 11)
  Afloje los tornillos en la ménsula e inserte el cable en el aro desde abajo. Luego conecte el extremo pelado al terminal superior. El aro de la ménsula trabaja como terminal de conexión a tierra
- Alimentador de antena (Fig. 12)
  Conecte al terminal de 300 ohmios.
  Tenga cuidado de que los alambres del alimentador de antena no toquen ningún otro terminal.

Para Alemania Occidental (Fig. 13)

- La antena de cable suministrada puede conectarse temporariamente al terminal coaxil de 75 ohmios.
- Antena de 75 ohmios con conector tipo coaxil (DIN 45 332)
  Connecte al terminal de 75 ohmios.

MC-Service

RX-550VBK
RX-550VLBK

ANTENNAS
ANTENNEN
ANTENNES
ANTENNES
ANTENAS

Use of CATV cable
Verwendung des Kabel-TV-Kabels
Utilisation d'un câble CATV
Gebuik van de CATV-Kabel
Uso del cable CATV

Used along with CATV antenna control unit
(Refer to the instruction book of CATV antenna control unit)
Verwendung mit einer Kabel-TV-Antennensteuereinheit
(Siehe Bedienungsanleitung der Antennensteuereinheit)
Utilisées avec un boîtier de commande d'antenne CATV
(Se reporter au manuel d'instructions du boîtier de commande d'antenne CATV)
Wordt samen met een CATV-antenneregeleenheid gebruikt
(Zie tevens de gebruiksaanwijzing van de CATV-antenneregeleenheid)
Se utilizan junto con la unidad de control de antena CATV
(Refiérase al manual de instrucciones de la unidad de control de antena CATV)

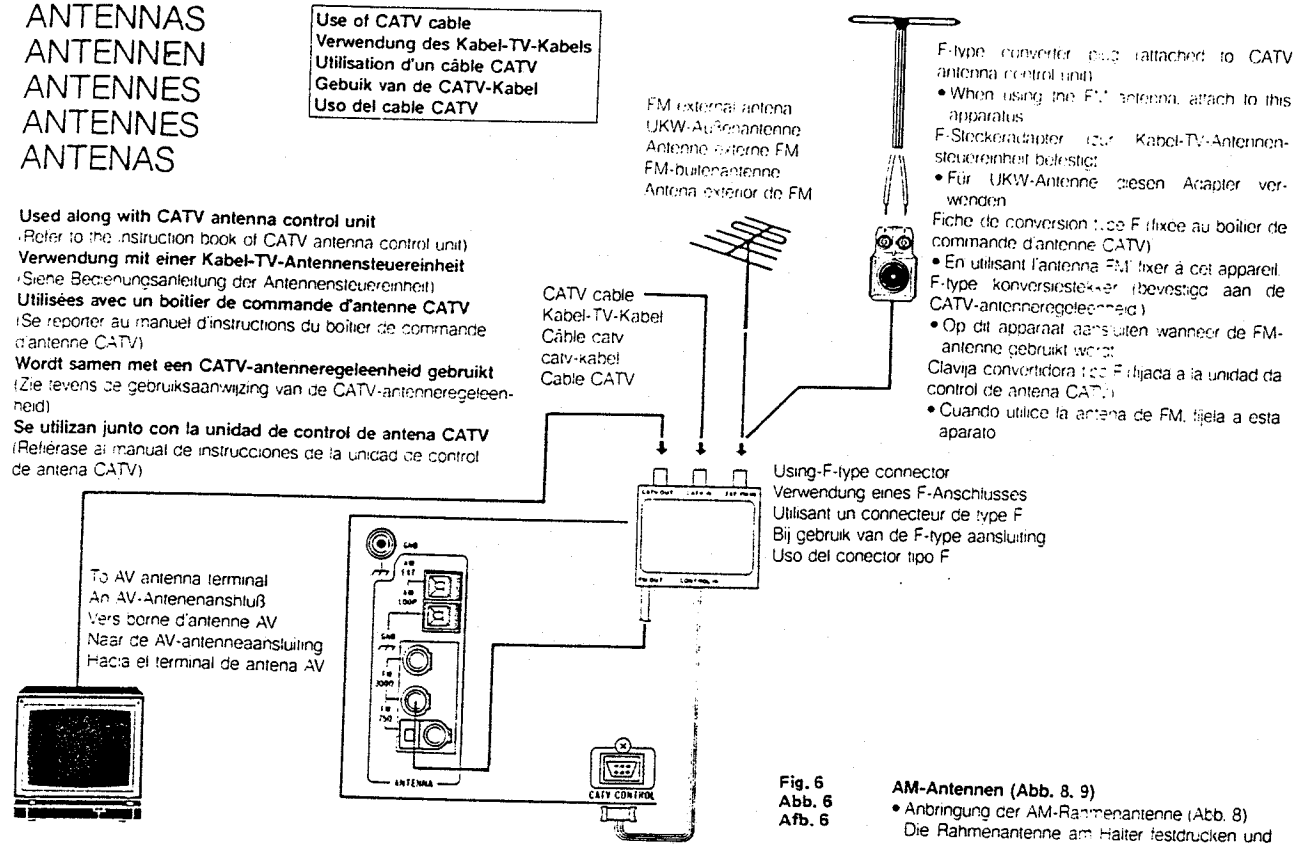

FM external antena
UKW-Außenantenne
Antenne externe FM
FM-buitenantenne
Antena exterior de FM
F-type converter (to be attached to CATV antenna control unit)
• When using the FM antenna, attach to this apparatus.
F-Steckeradapter (zur Kabel-TV-Antennensteuereinheit befestigt)
• Für UKW-Antenne diesen Adapter verwenden.
Fiche de conversion type F (fixée au boîtier de commande d'antenne CATV)
• En utilisant l'antenne FM fixer à cet appareil.
F-type konversiestekker (bevestigd aan de CATV-antenneregeleenheid)
• Op dit apparaat aansluiten wanneer de FM-antenne gebruikt wordt.
Clavija convertidora tipo F (fijada a la unidad de control de antena CATV)
• Cuando utilice la antena de FM, fíjela a esta aparato.
CATV cable
Kabel-TV-Kabel
Câble catv
catv-kabel
Cable CATV
Using-F-type connector
Verwendung eines F-Anschlusses
Utilisant un connecteur de type F
Bij gebruik van de F-type aansluiting
Uso del conector tipo F
To AV antenna terminal
An AV-Antenenanshluß
Vers borne d'antenne AV
Naar de AV-antenneaansluiting
Hacia el terminal de antena AV
ANTENNA
CATV CONTROL

Fig. 6
Abb. 6
Afb. 6

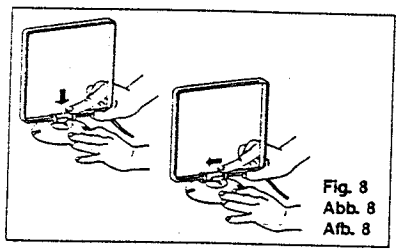


Fig. 8
Abb. 8
Afb. 8

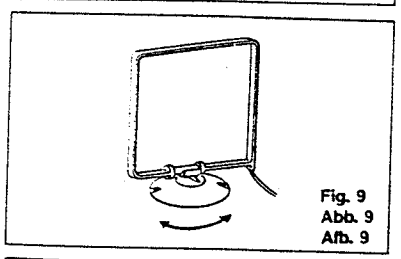


Fig. 9
Abb. 9
Afb. 9

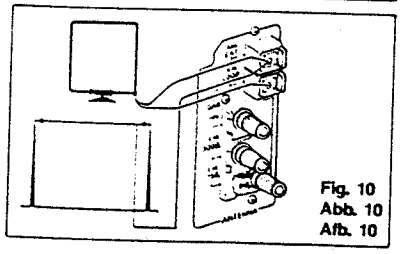


Fig. 10
Abb. 10
Afb. 10

AM antennas (Fig. 8, 9)
- How to assemble the AM loop antenna (Fig. 8)
  Snap the loop antenna onto the stand, then slide it as shown until firmly held in place.
- When too much noise occurs (Fig. 9)
  Change the direction of the loop antenna or reinstall it in a position that gives best reception.
- AM external antenna (Fig. 10)
  If AM reception is not good, connect an external AM antenna (single-wire antenna) to the AM-ANTENNA terminal.

Notes:
- **If the provided loop antenna is not set up and its wires attached, or the antenna wires touch the rear panel, it will be impossible to receive AM broadcasts.**
- **When installing an AM external antenna, leave the AM loop antenna connected.**
- **If the AM loop antenna is too close to the speaker terminals, it may cause noise and should be moved away from the rear panel.**

FM antennas
- 75-ohm antenna with coaxial lead (Fig. 11)
  Loosen the screws on the bracket and insert the cable into the ring from below. Then connect the stripped core to the upper terminal. The bracket ring works as the ground terminal.
- Feed antenna (Fig. 12)
  Connect to the 300-ohm terminal.
  Take care that the wires of the feeder antenna do not touch any other terminal.

For W. Germany (Fig. 13)
- The FM wire antenna provided can be connected to the 75-ohm coaxial jack temporarily.
- 75-ohm antenna with coaxial type connector (DIN 45 332)
  Connect to the 75-ohm terminal.

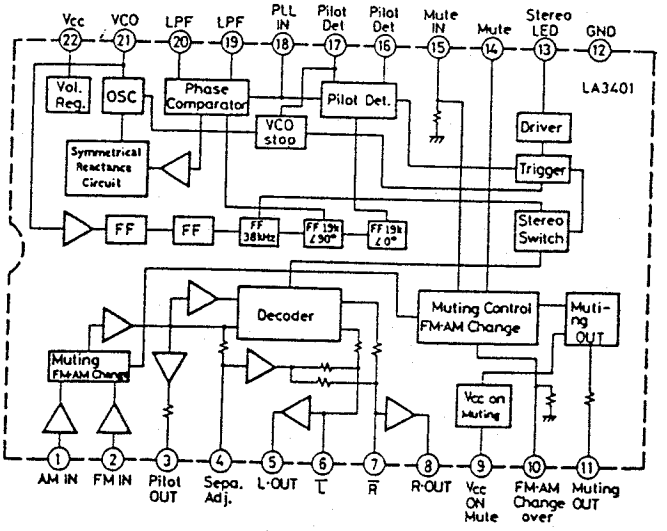
AM-Antennen (Abb. 8, 9)
- Anbringung der AM-Rahmenantenne (Abb. 8)
  Die Rahmenantenne am Halter festdrücken und dann wie gezeigt verschieben, um sicheren Sitz zu gewährleisten.
- Wenn zu viele Störgeräusche empfangen werden (Abb. 9)
  Die Richtung der Rahmenantenne verändern oder in einer Position anbringen, die einen besseren Empfang ergibt.
- MW-Außenantenne (Abb. 10)
  Wenn der MW-Empfang nicht gut ist, eine MW-Außenantenne (Einzeldrahtantenne) an den AM ANTENNA-Anschluß anschließen.

Hinweise:
- **Wenn die mitgelieferte Rahmenantenne nicht angebracht und angeschlossen ist oder die Antennendrähte die Rückplatte berühren, ist MW-Empfang nicht möglich.**
- **Die MW-Rahmenantenne muß auch angeschlossen bleiben, wenn eine MW-Außenantenne angeschlossen wird.**
- **Wenn die MW-Rahmenantenne sich zu nahe an den Lautsprecheranschlüssen befindet, können Störgeräusche auftreten. Daher die Rahmenantenne möglichst weit von der Rückplatte entfernt anbringen.**

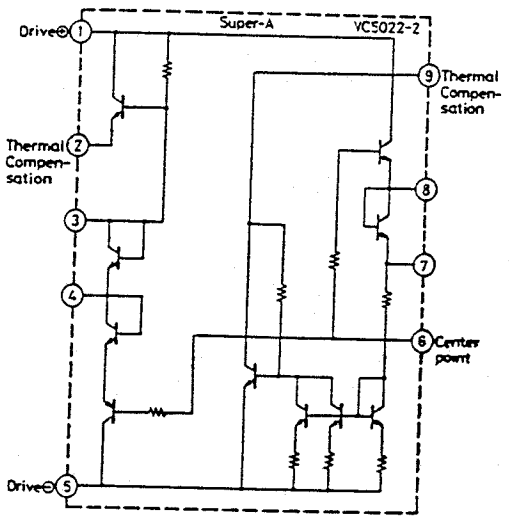
UKW-Antennen
- 75-Ohm-Antenne mit Koaxialkabel (Abb. 11)
  Die Schrauben an der Halterung lösen und das Kabel von unten in den Ring einführen.
  Dann den abisolierten Innenleiter an die obere Klemme anschließen. Der Halterungsring dient als Erdungsklemme.
- Speiseantenne (Abb. 12)
  An die 300-Ohm-Klemme anschließen.
  Darauf achten, daß die Kabel der Speiseantenne die anderen Anschlüsse nicht berühren.

Für BRD (Abb. 13)
- Die mitgelieferte UKW-Drahtantenne kann zeitweilig an die 75-Ohm-Koaxialbuchse angeschlossen werden.
- 75-Ohm-Antenne mit Koaxialstecker (DIN 45 332)
  An den 75-Ohm-Anschluß anschließen.

IC171: LA3401

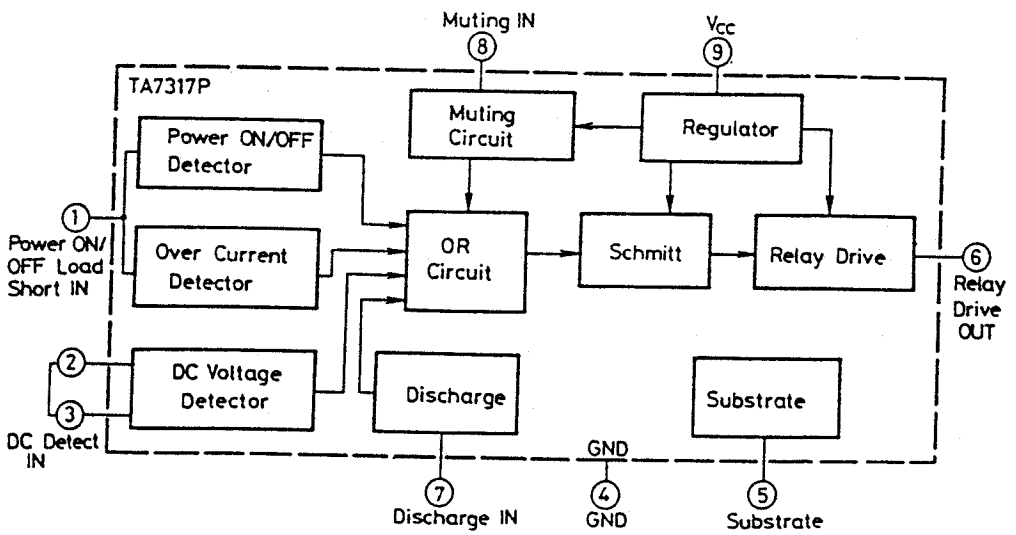


IC751, 752: VC5022-2



MC-Service

IC901: TA7317P



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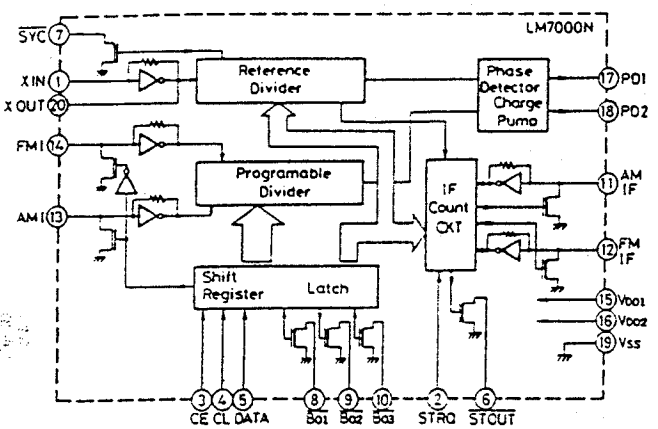
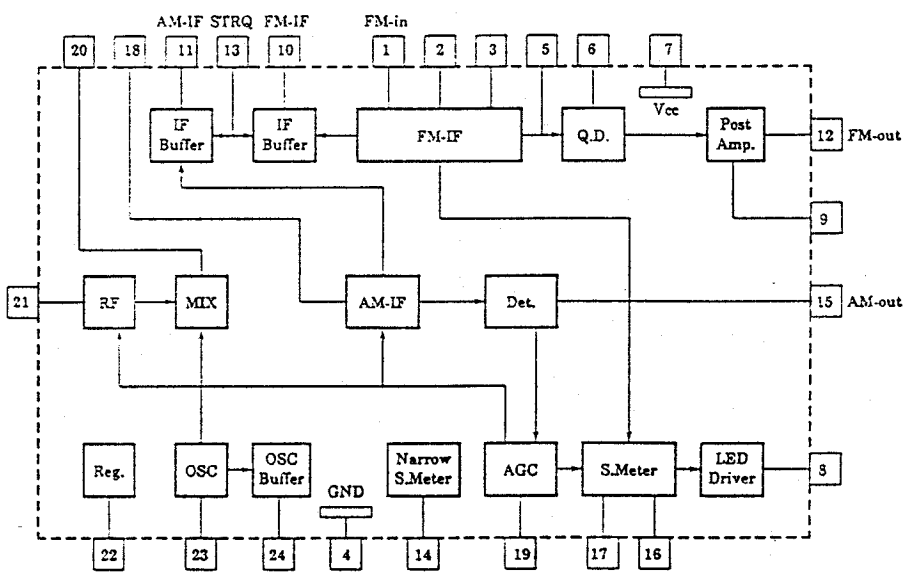
IC251: LM7000N



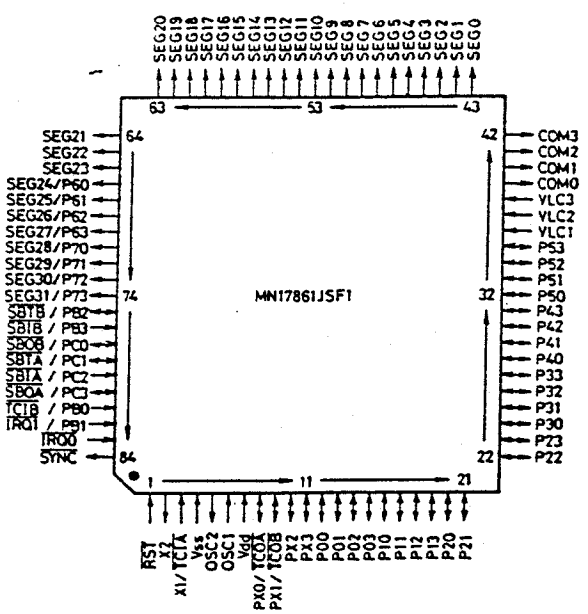
IC251 : LM7000N

Terminal name	Terminal Function
SYC	Clock (400kHz) for controller
XIN, XOUT	Crystal oscillator (7.2 MHz) Included the feedback resistor.
FMI, AMI	Local oscillator signal input
CE, CL, DATA	Data input
BO1, BO2, BO3	Band data output
STRQ	Request of IF counter input
STOUT	Auto-search stop signal output
Vdd1, Vdd2, Vss	Power supply (Vdd2 : for back-up)
AMIF, FMIF	IF signal input
PD1, PD2	Charge pump output

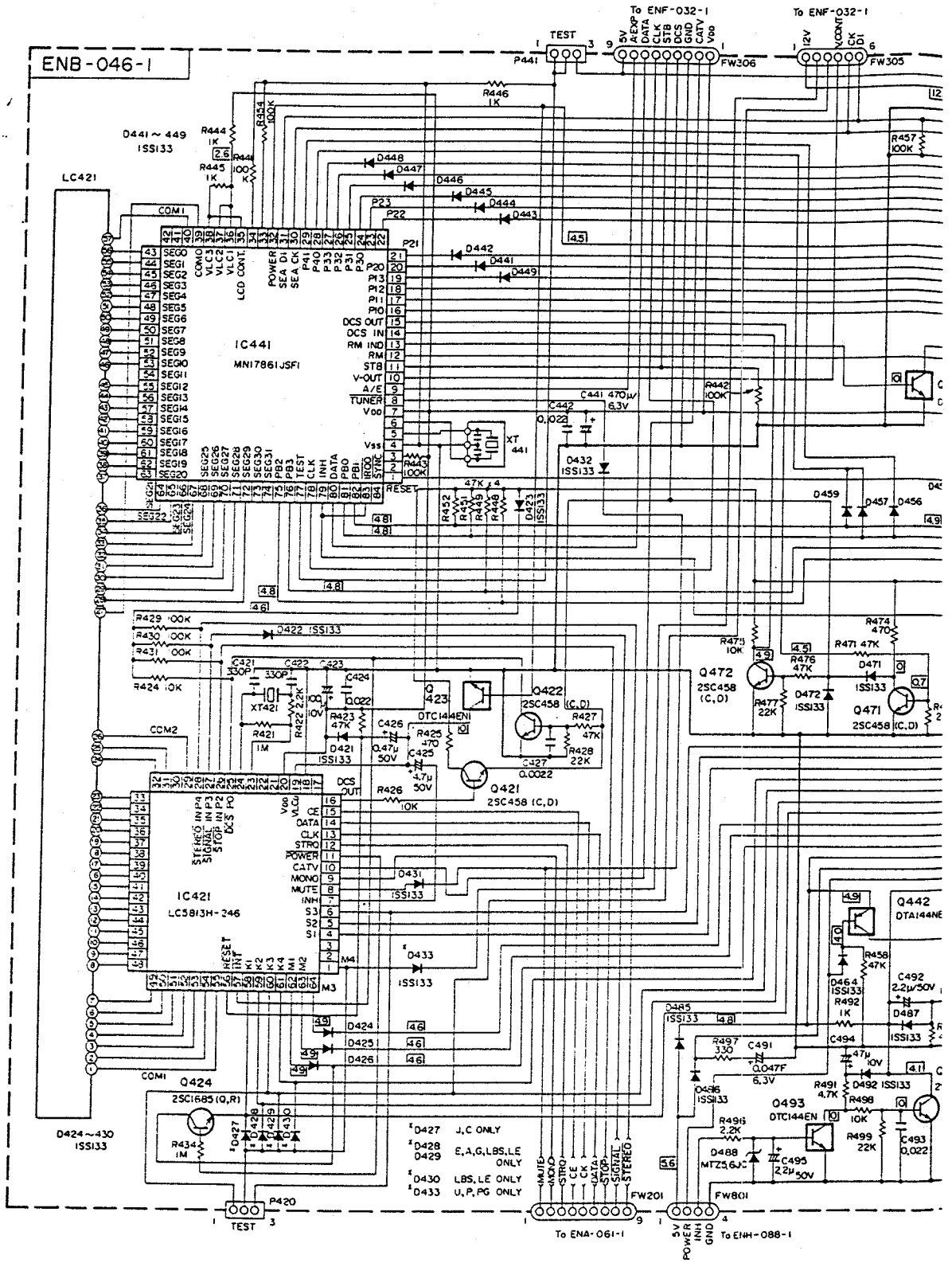
IC101: LA1266 A

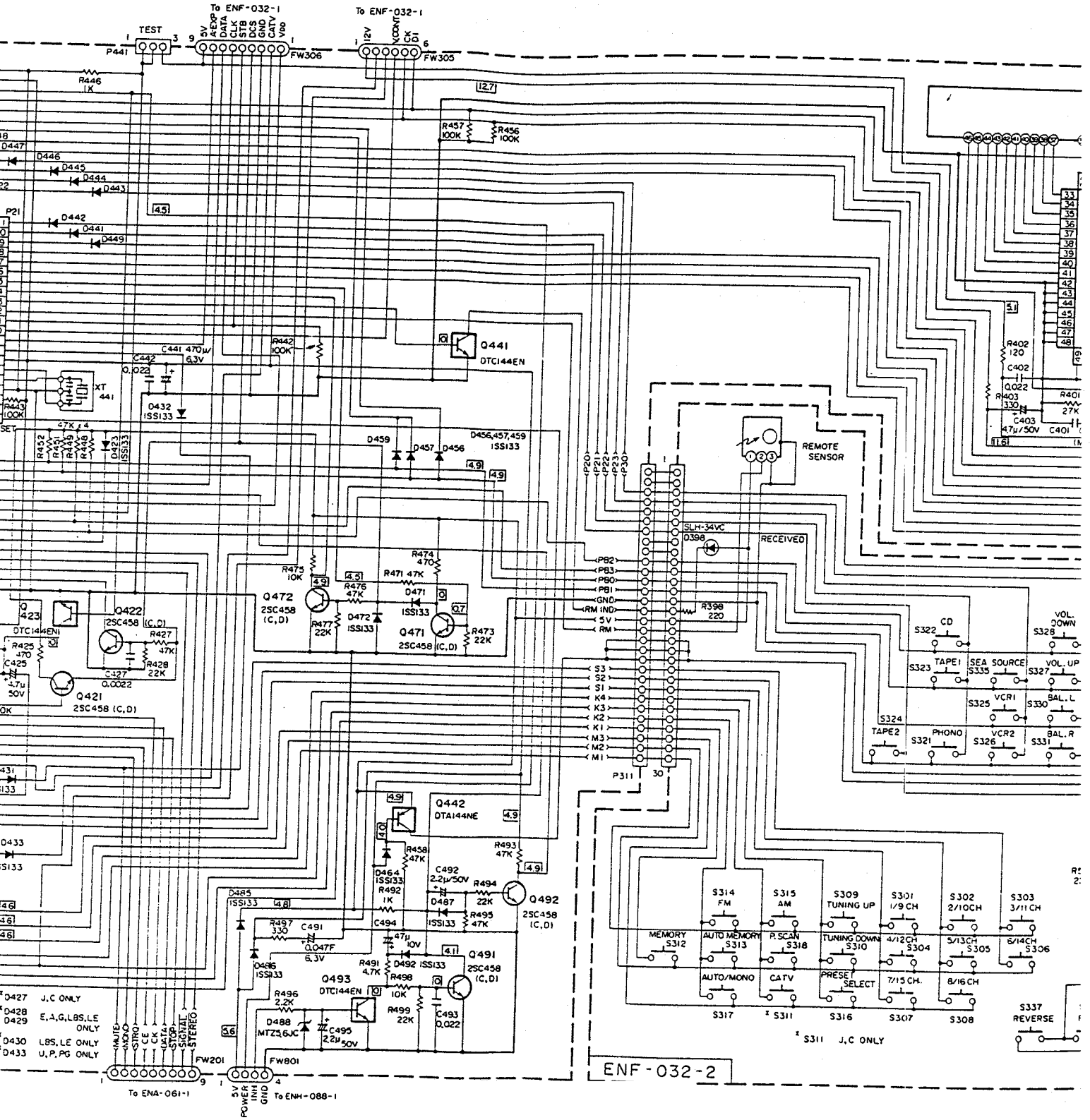


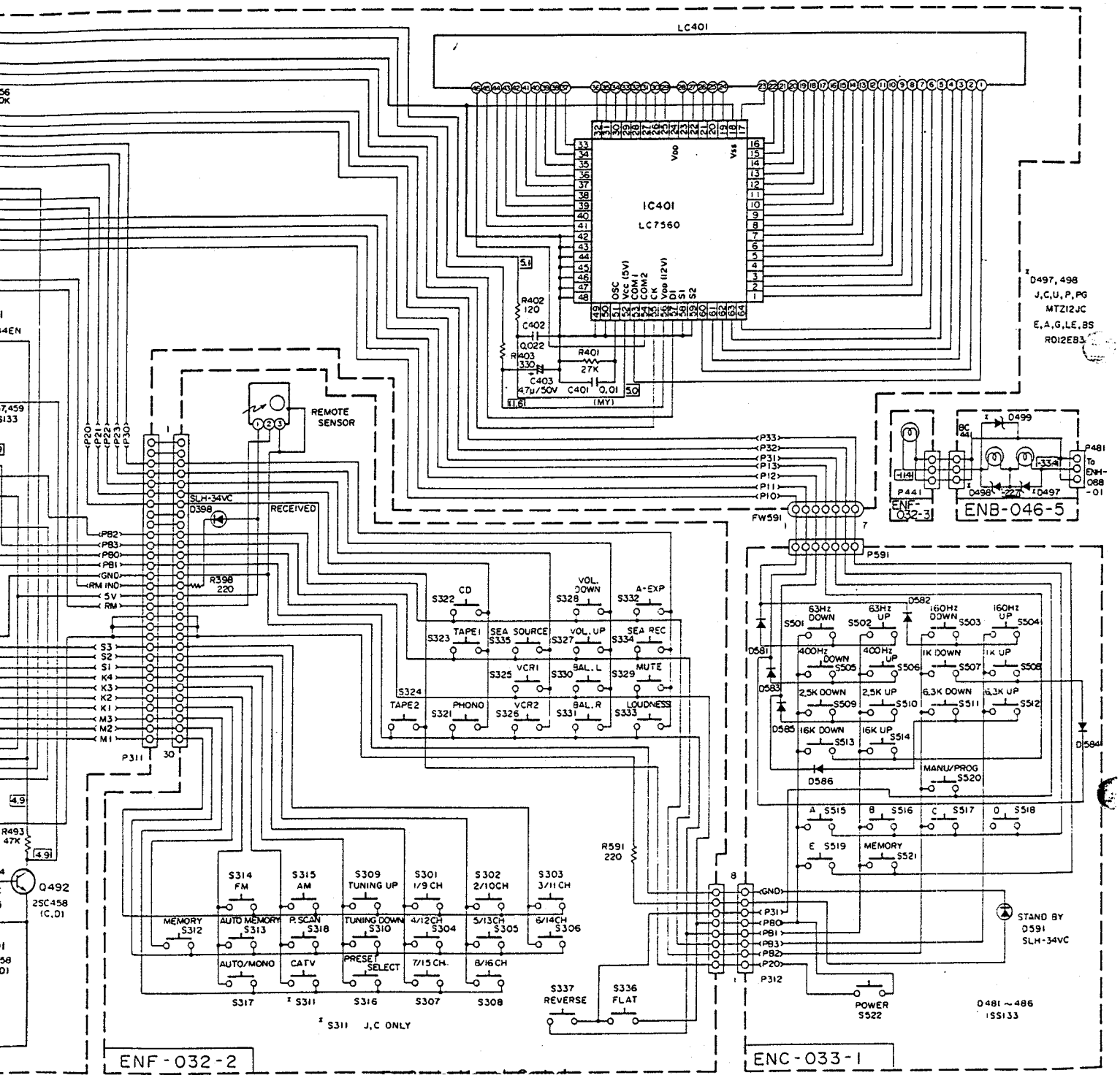
IC441: MN17861JSF1



(3) Logic Section



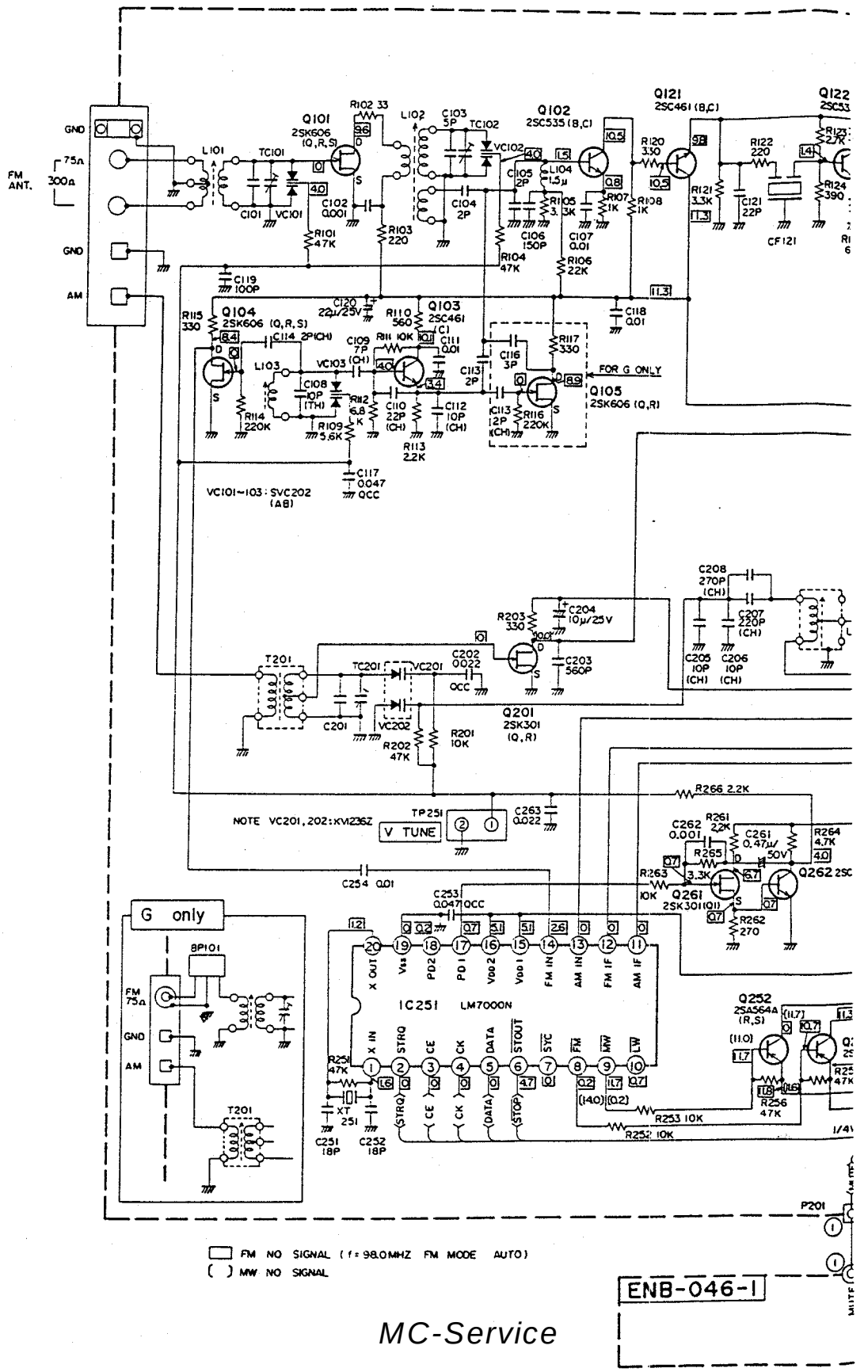

TEST
P441
To ENF-032-1
5V
A-EXP
DATA
CLK
STB
DCS
GND
CATV
Vpp
FW306
To ENF-032-1
12V
VCONT
CK
DI
FW305
R446 1K
R457 100K
R456 100K
D447
D446
D445
D444
D443
D442
D441
D449
Q441 DTC144EN
C441 470μ 6.3V
C442 0.022
R442 100K
XT 441
D432 1SS133
D456,457,459 1SS133
D459
D457
D456
REMOTE SENSOR
SLH-34VC
D398
RECEIVED
R398 220
R402 120
C402 0.022
R403 330
C403 47μ/50V
C401
R401 27K
R474 470
R473 10K
R471 47K
R476 47K
D471 1SS133
Q472 2SC458 (C,D)
R477 22K
D472 1SS133
Q471 2SC458 (C,D)
R473 22K
Q423 DTC144EN
Q422 2SC458 (C,D)
R427 47K
R425 470
C425 4.7μ 50V
C427 0.0022
R428 22K
Q421 2SC458 (C,D)
P20
P21
P22
P23
P30
P82
P83
P80
P81
GND
RM IND
5V
RM
S3
S2
S1
K4
K3
K2
K1
M3
M2
M1
P311
30
S322 CD
S328 VOL. DOWN
S323 TAPE1
S335 SEA SOURCE
S327 VOL. UP
S325 VCR1
S330 BAL. L
S324
TAPE2
S321 PHONO
S326 VCR2
S331 BAL. R
Q442 DTA144NE
R458 47K
R493 47K
D464 1SS133
C492 2.2μ/50V
R494 22K
Q492 2SC458 (C,D)
D487
R495 47K
1SS133
R492 1K
C494
D485 1SS133
R497 330
C491 0.047F 6.3V
D486 1SS133
47μ 10V
R491 4.7K
D492 1SS133
Q491 2SC458 (C,D)
Q493 DTC144EN
R498 10K
R496 2.2K
R499 22K
C493 0.022
D488 MTZ5.6JC
C495 22μ 50V
S314 FM
S315 AM
S309 TUNING UP
S301 1/9 CH
S302 2/10CH
S303 3/11 CH
MEMORY S312
AUTO MEMORY S313
P.SCAN S318
TUNING DOWN S310
4/12CH S304
5/13CH S305
6/14CH S306
AUTO/MONO
CATV
PRESET SELECT
7/15 CH.
8/16 CH
S317
S311
S316
S307
S308
S337 REVERSE
S311 J,C ONLY
D427 J,C ONLY
D428 D429 E,A,G,LBS,LE ONLY
D430 LBS,LE ONLY
D433 U,P,PG ONLY
MUTE
MONO
STRO
CE
CK
DATA
STOP
SIGNAL
STEREO
FW201
To ENA-061-1
FW801
5V
POWER INH
GND
To ENH-088-1
ENF-032-2


LC401
IC401
LC7560
REMOTE SENSOR
SLH-34VC
D398
RECEIVED
R398 220
P311
P591
FW591
P312
R591 220
R402 120
C402 0.022
R403 330
R401 27K
C403 47μ/50V
C401 0.01 (MY)
D497, 498 J,C,U,P,PG MTZ12JC E,A,G,LE,BS R012E83
D499
P481 To ENH-088-01
P441
ENF-032-3
ENB-046-5
CD
TAPE1
TAPE2
PHONO
VCR1
VCR2
SEA SOURCE
VOL. UP
VOL. DOWN
BAL. L
BAL. R
A-EXP
SEA REC
MUTE
LOUDNESS
63Hz DOWN
63Hz UP
160Hz DOWN
160Hz UP
400Hz DOWN
400Hz UP
1K DOWN
1K UP
2.5K DOWN
2.5K UP
6.3K DOWN
6.3K UP
16K DOWN
16K UP
MANU/PROG
MEMORY
FM
AM
TUNING UP
TUNING DOWN
PRESET SELECT
AUTO MEMORY
P.SCAN
AUTO/MONO
CATV
1/9 CH
2/10CH
3/11 CH
4/12CH
5/13CH
6/14CH
7/15 CH.
8/16 CH
REVERSE
FLAT
POWER
STAND BY
D591
SLH-34VC
D481~486
1SS133
J,C ONLY
ENF-032-2
ENC-033-1

MC-Service

Schematic Diagrams

(1) RX-550VBK Tuner Section



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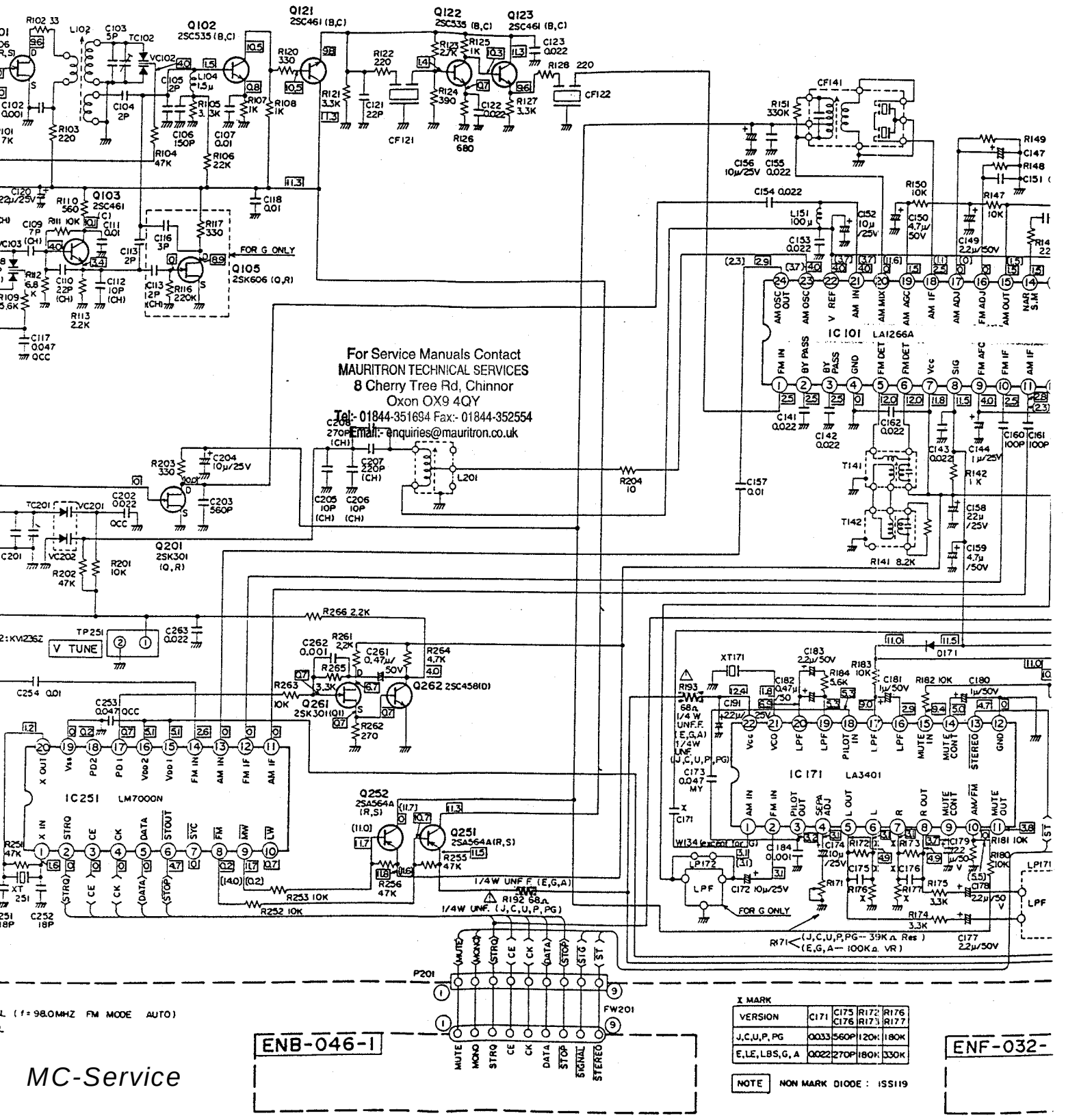

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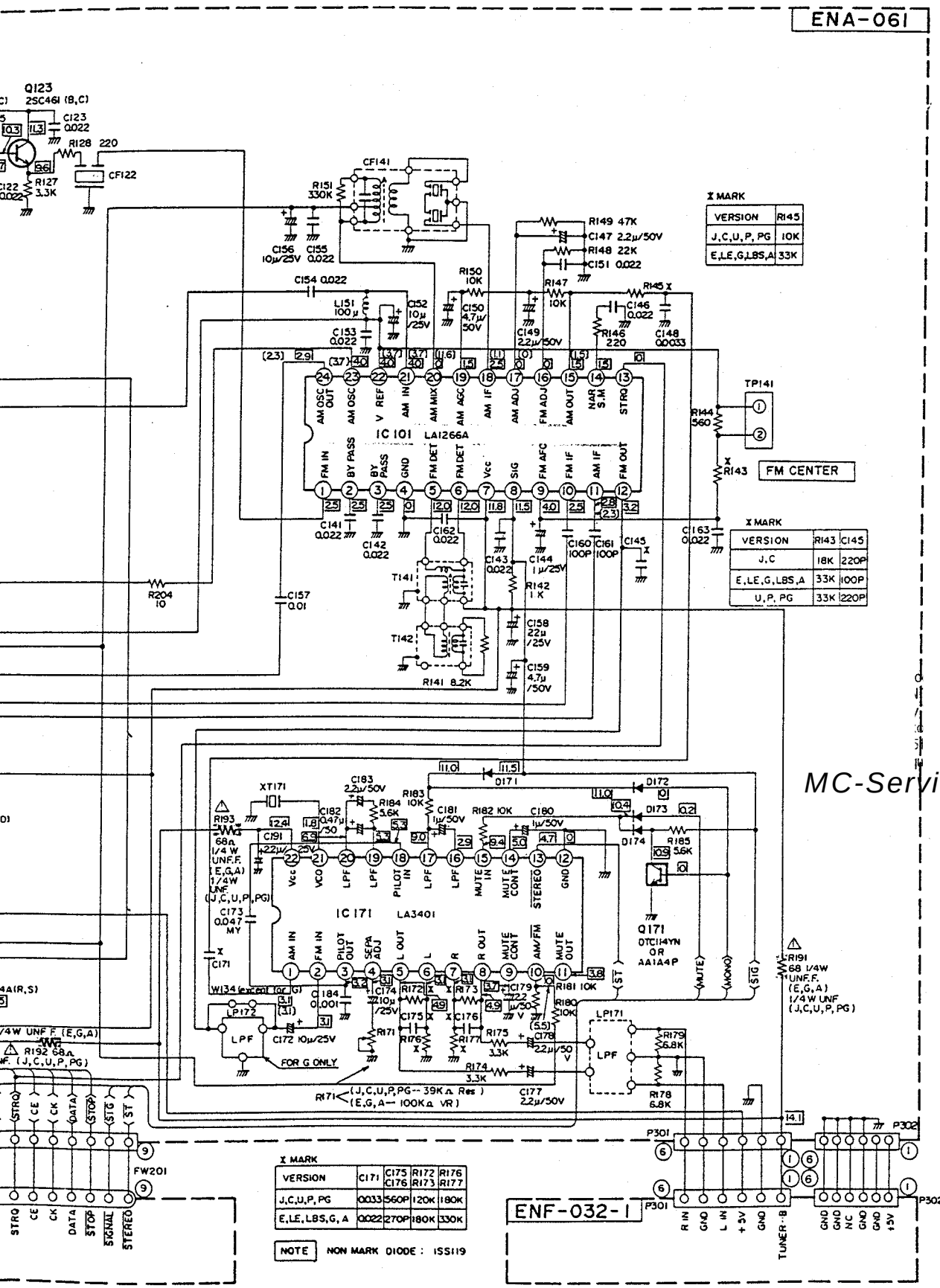
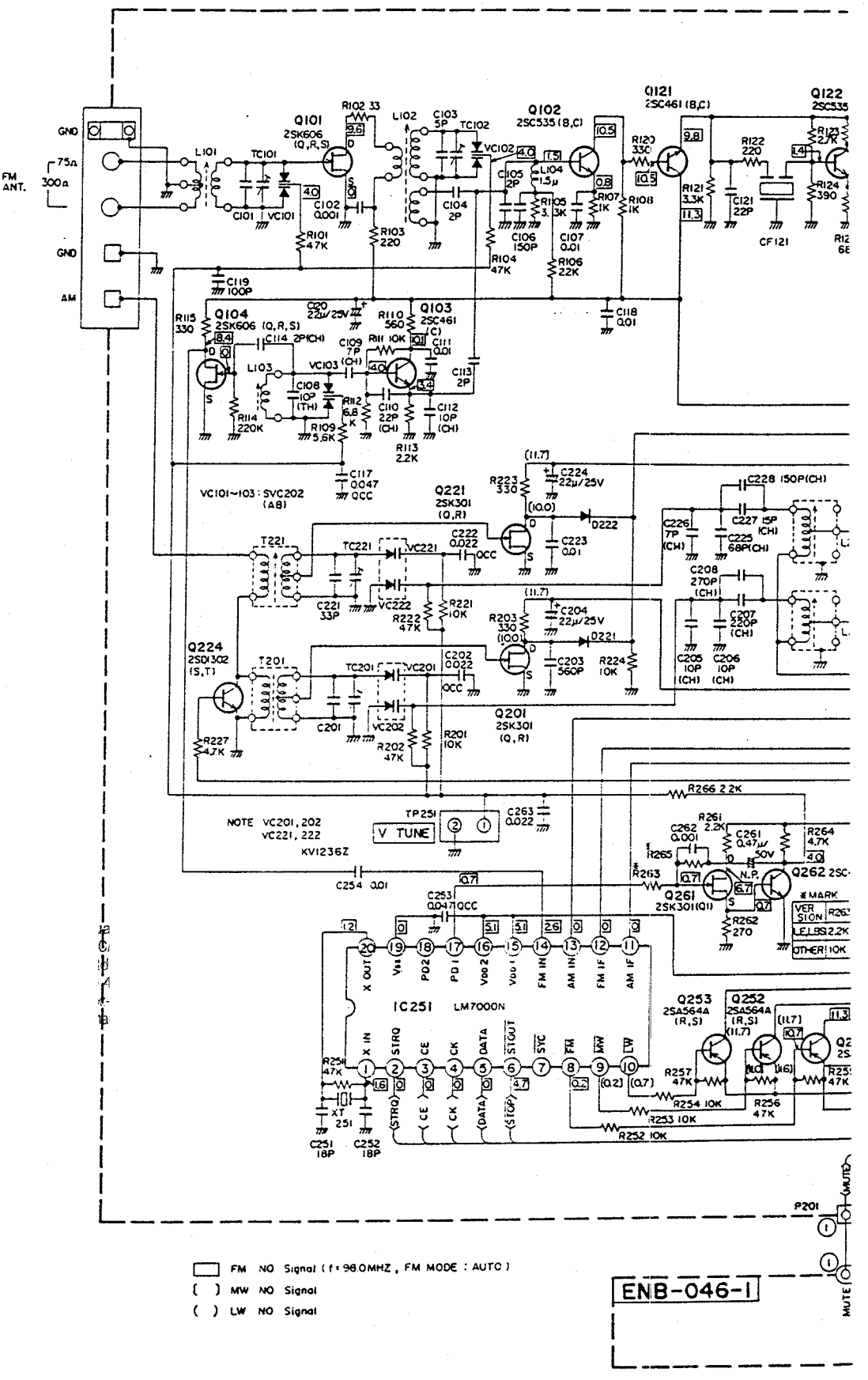
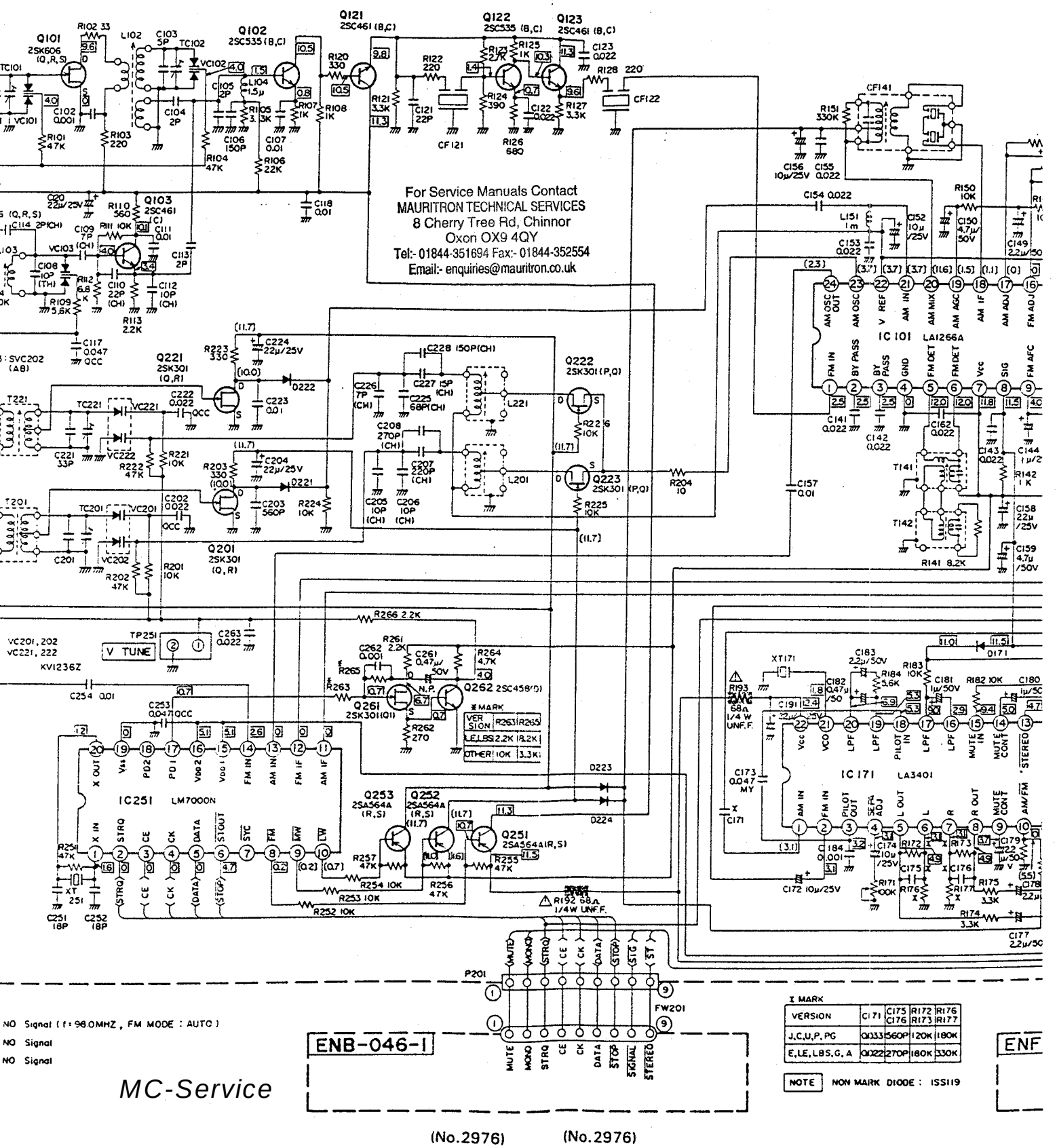

ENA-061
Q123
2SC461 (B,C)
C123 0.022
R128 220
CF122
R127 3.3K
CF141
R151 330K
C156 10μ/25V
C155 0.022
R149 47K
C147 2.2μ/50V
R148 22K
C151 0.022
R150 10K
C154 0.022
L151 100μ
C152 10μ /25V
C153 0.022
C150 4.7μ 50V
R147 10K
R145 X
C146 0.022
C149 2.2μ/50V
R146 220
C148 0.033
X MARK
VERSION | R145
J,C,U,P, PG | 10K
E,LE,G,LBS,A | 33K
IC 101 LA1266A
AM OSC OUT
AM OSC
V REF
AM IN
AM MIX
AM AGC
AM IF
AM ADJ
FM ADJ
AM OUT
NAR S.M
STRQ
FM IN
BY PASS
BY PASS
GND
FM DET
FM DET
Vcc
SIG
FM AFC
FM IF
AM IF
FM OUT
TP141
R144 560
R143 X
FM CENTER
C141 0.022
C142 0.022
C162 0.022
C143 0.022
C144 1μ/25V
C160 100P
C161 100P
C145 X
C163 0.022
X MARK
VERSION | R143 | C145
J,C | 18K | 220P
E,LE,G,LBS,A | 33K | 100P
U,P, PG | 33K | 220P
R204 10
C157 0.01
T141
T142
R142 1K
C158 22μ /25V
C159 4.7μ /50V
R141 8.2K
XT171
C183 2.2μ/50V
R183 10K
R184 5.6K
C182 0.47μ /50
C181 1μ/50V
R182 10K
C180 1μ/50V
D171
D172
D173
D174
R185 5.6K
R193 68Ω 1/4W UNF.F (E,G,A) 1/4W UNF (J,C,U,P,PG)
C191 22μ/25V
IC 171 LA3401
Vcc
VCO
LPF
LPF
PILOT IN
LPF
LPF
MUTE IN
MUTE CONT
STEREO
GND
AM IN
FM IN
PILOT OUT
SEPA ADJ
L OUT
L
R
R OUT
MUTE CONT
AM/FM
MUTE OUT
Q171
DTC114YN OR AA1A4P
MUTE
MONO
STI
C173 0.047 MY
C171
W134 except for G
C184 0.001
C174 10μ /25V
R172
R173
C179 222 50V
R181 10K
R180 10K
LP172
LPF
C172 10μ/25V
FOR G ONLY
C175
C176
R171
R176
R177
R175 3.3K
C178 22μ/50V
R174 3.3K
C177 2.2μ/50V
R171 (J,C,U,P,PG-- 39KΩ Res) (E,G,A-- 100KΩ VR)
LP171
LPF
R179 6.8K
R178 6.8K
R191 68 1/4W UNF.F. (E,G,A) 1/4W UNF (J,C,U,P,PG)
R192 68Ω (J,C,U,P,PG)
P301
P302
FW201
STRQ
CE
CK
DATA
STOP
STG
ST
SIGNAL
STEREO
X MARK
VERSION | C171 | C175 C176 | R172 R173 | R176 R177
J,C,U,P,PG | 0033 | 560P | 120K | 180K
E,LE,LBS,G,A | 0022 | 270P | 180K | 330K
NOTE NON MARK DIODE : 1SS119
ENF-032-I
R IN
GND
L IN
+5V
GND
TUNER-B
GND
GND
NC
GND
GND
+5V

MC-Service

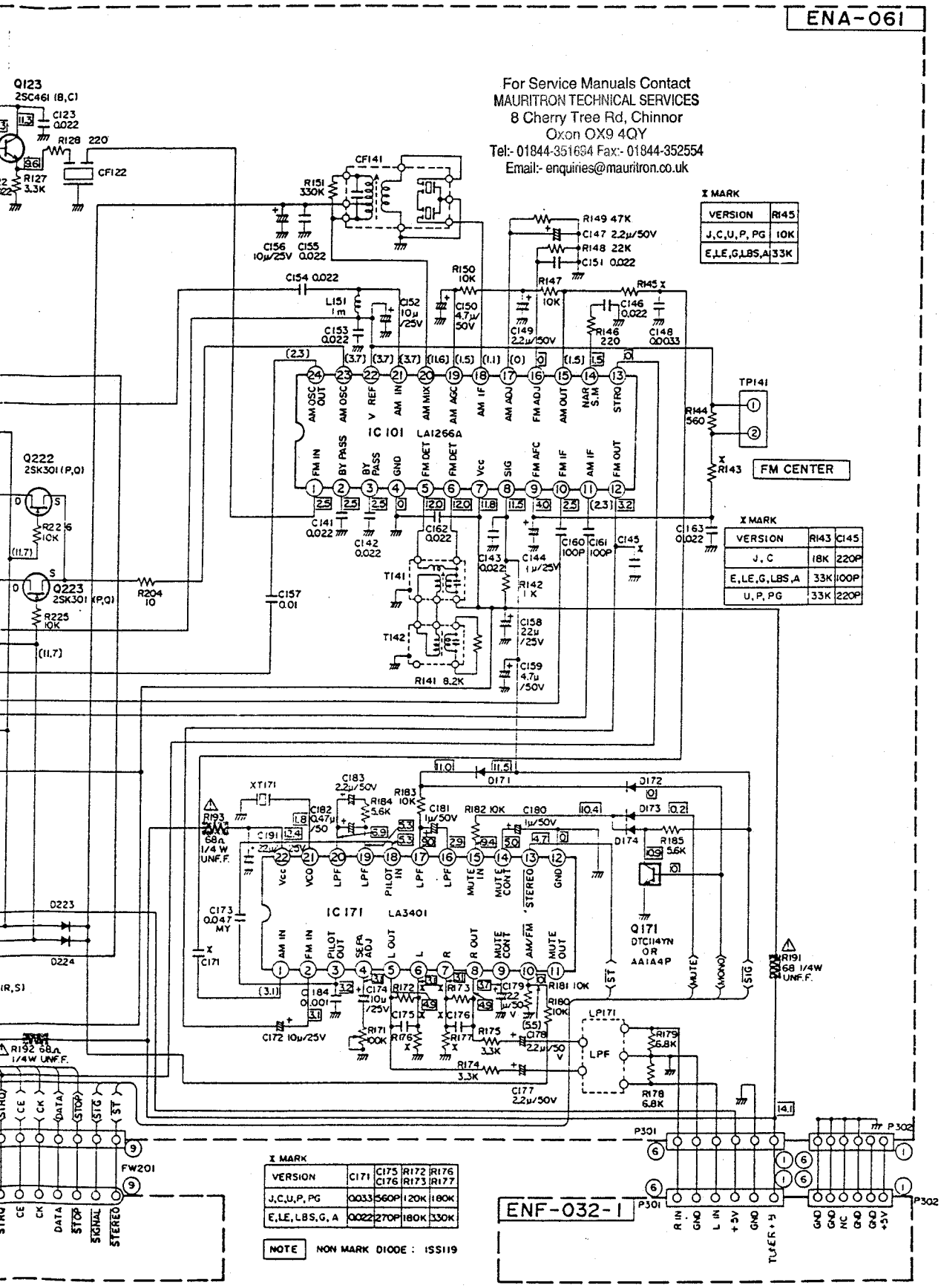
(2) RX-550VLBK Tuner Section



MC-Service


Q101 2SK606 (Q,R,S)
Q102 2SC535 (B,C)
Q103 2SC461 (C)
Q121 2SC461 (B,C)
Q122 2SC535 (B,C)
Q123 2SC461 (B,C)
Q221 2SK301 (Q,R)
Q222 2SK301 (P,Q)
Q223 2SK301 (P,Q)
Q201 2SK301 (Q,R)
Q261 2SK301 (Q)
Q262 2SC458 (Q)
Q253 2SA564A (R,S)
Q252 2SA564A (R,S)
Q251 2SA564A (R,S)
IC101 LA1266A
IC171 LA3401
IC251 LM7000N
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk
V TUNE
P201
FW201
ENB-046-1
X MARK
VERSION
J,C,U,P,PG
E,LE,LBS,G,A
NOTE NON MARK DIODE : 1SS119
NO Signal (f = 98.0MHZ , FM MODE : AUTO)
NO Signal
NO Signal

MC-Service


ENA-061
For Service Manuals Contact
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8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk
IC 101 LA1266A
IC 171 LA3401
FM CENTER
ENF-032-1
(No.2976)

PARTS LIST

MC-Service

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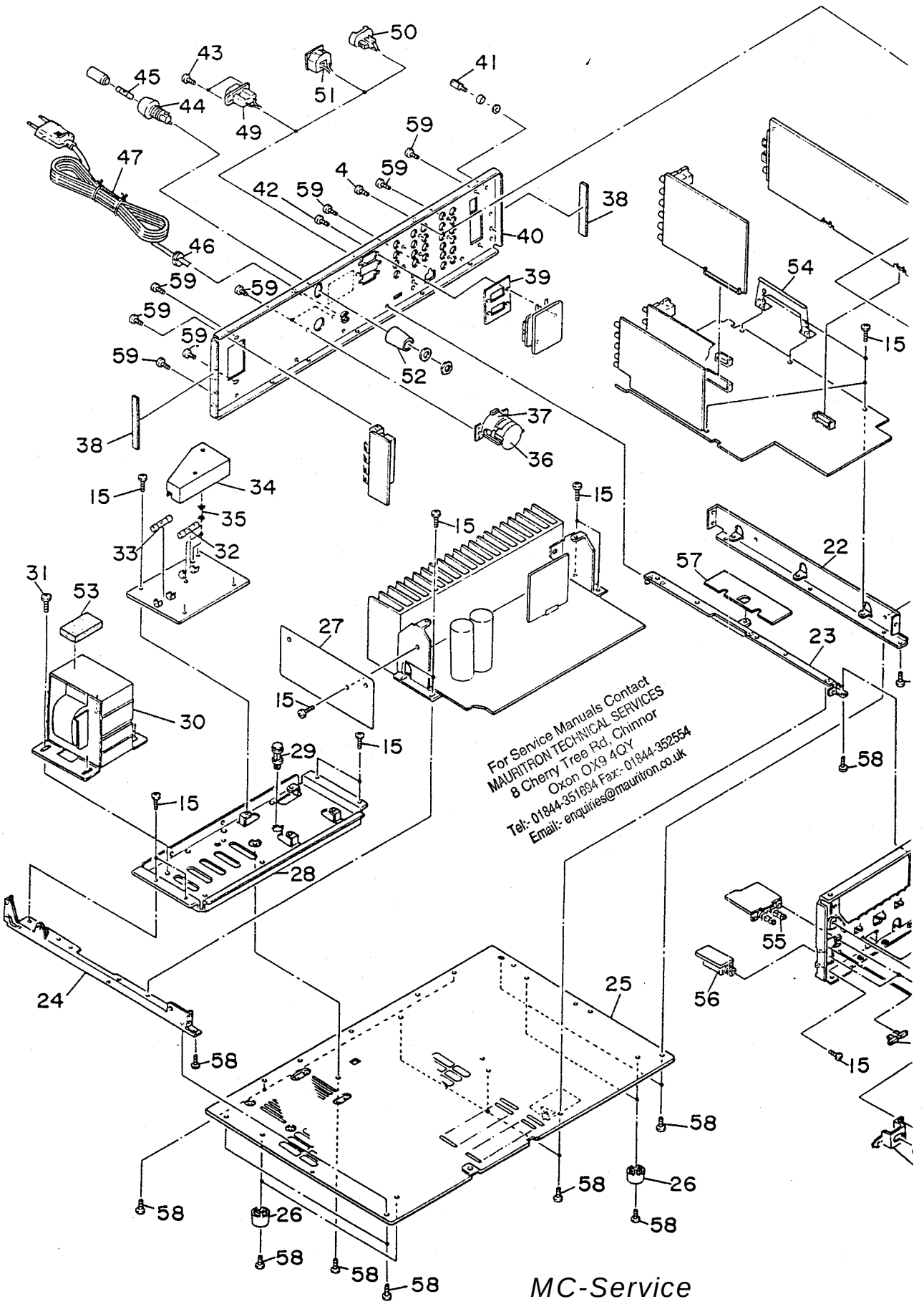
Exploded View and Parts List



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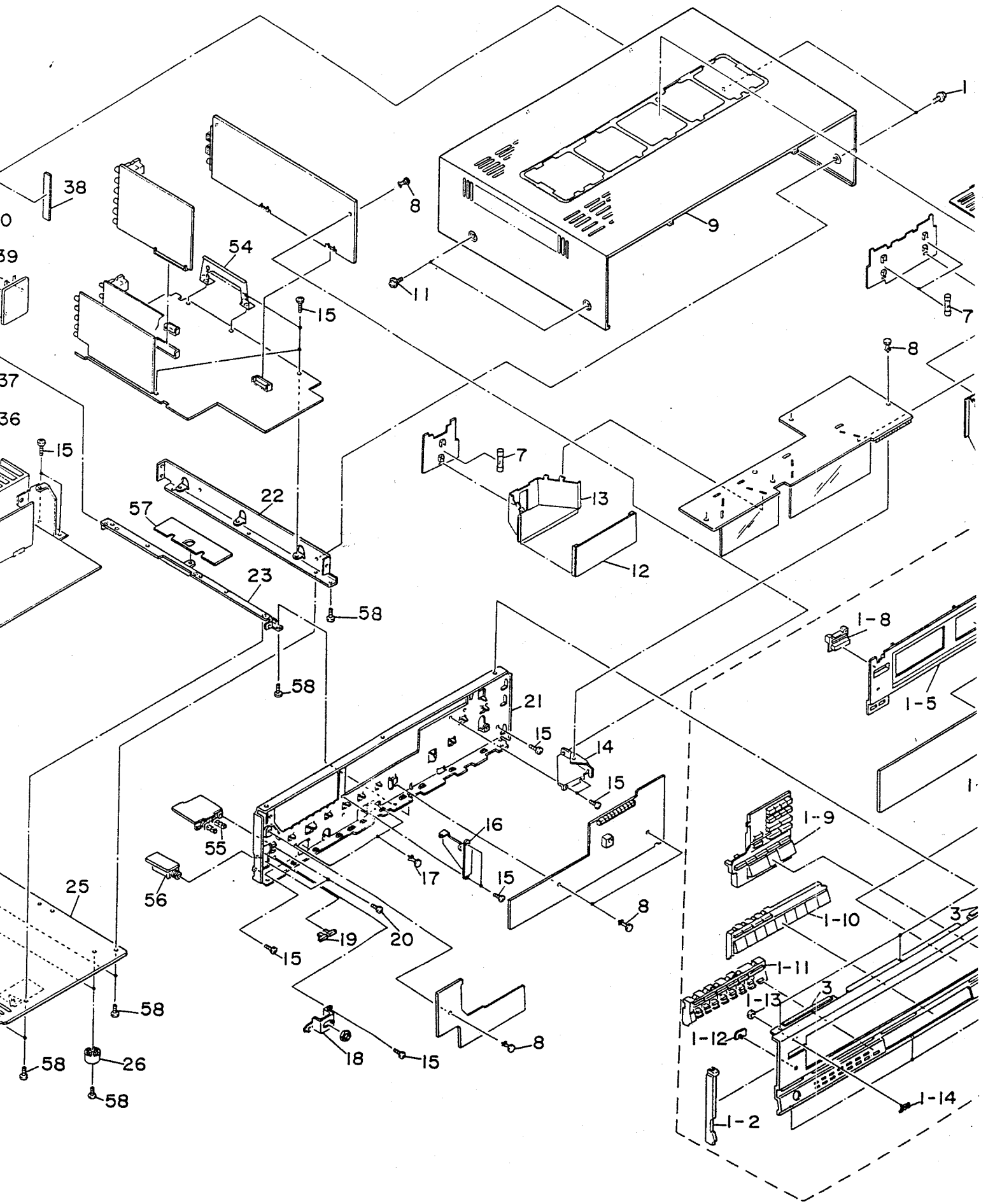
MC-Service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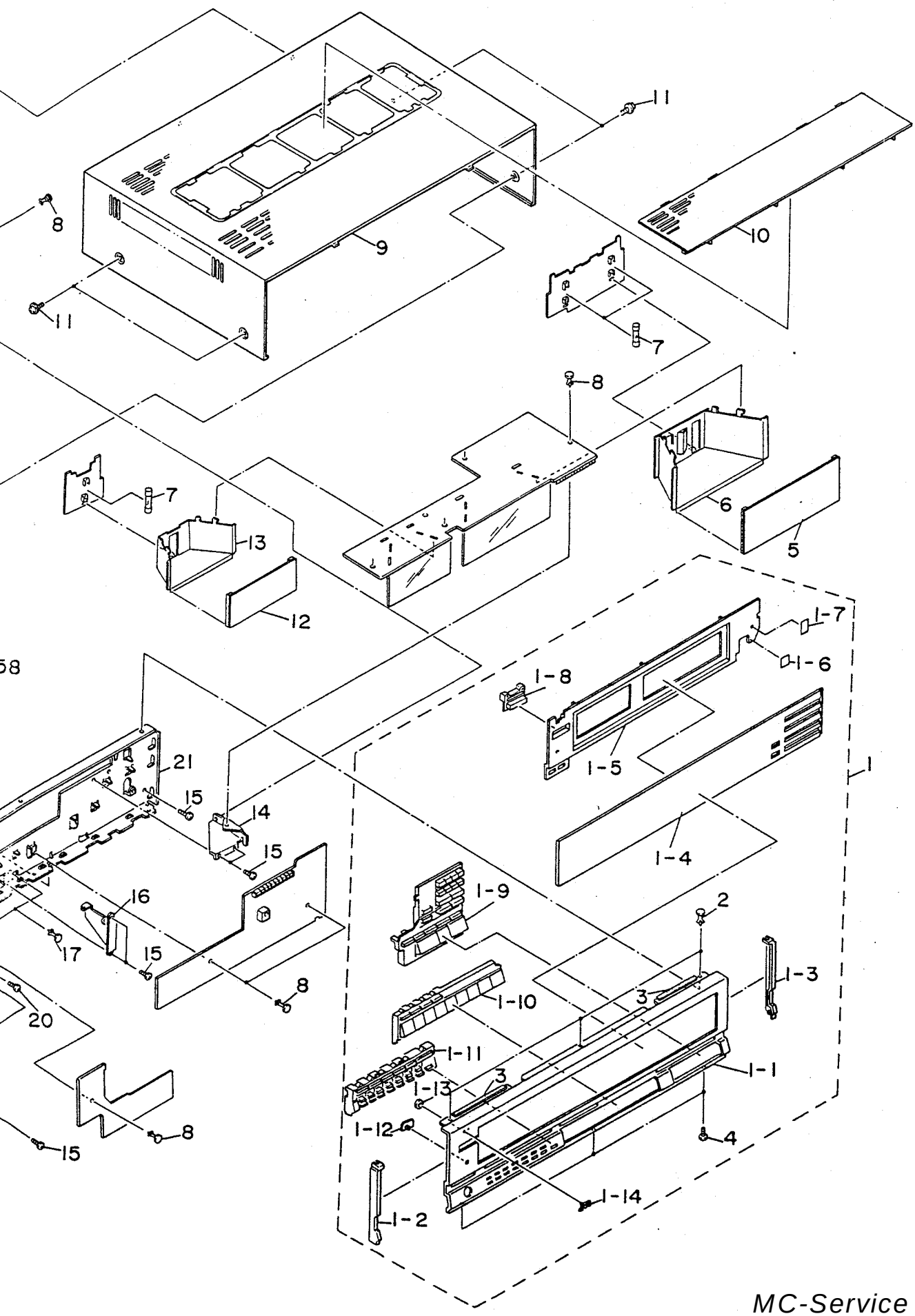
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RX-550VBK
RX-550VLBK

⚠	Item No.	Part Number	Part Name	Q'ty	Description	Area
		E25575-004	Rear Panel	1	DOM	A
		E25575-005	Rear Panel	1	DOM	G
		E25575-006	Rear Panel	1	DOM	LBS
		E25575-011	Rear Panel	1	SINGAPORE	J,C
		E25575-012	Rear Panel	1	SINGAPORE	U,P,PG
		E25575-013	Rear Panel	1	SINGAPORE	E,LE
		E25575-014	Rear Panel	1	SINGAPORE	A
		E25575-015	Rear Panel	1	SINGAPORE	G
		E25575-016	Rear Panel	1	SINGAPORE	LBS
	41	E70078-001	GND.Terminal	1		
	42	SDSB3008M	Screw	2		J,C,U,P,PG
	43	SBSB3016M	Screw	2		LE
	44	QMG0301-003	Fuse Holder	1		U,P,PG,E,LE,G
⚠	45	QMF51A2-2R5S	Fuse	1		U,PG
⚠		QMF51A2-5R0S	Fuse	1		P
⚠		QMF51A2-1R25S	Fuse	1		E,LE,G
⚠	46	QHS3876-162	Cord Stopper	1		Except LBS
⚠		QHS3876-162BS	Cord Stopper	1		LBS
⚠	47	QMP1480-200H	Power Cord	1		J,C
⚠		QMP7600-200	Power Cord	1		U,P,PG
⚠		QMP3900-200	Power Cord	1		E,LE
⚠		QMP2560-244	Power Cord	1		A
⚠		QMP39A0-200	Power Cord	1		G
⚠		QMP9017-008BS	Power Cord	1		LBS
⚠	48	QMC0440-001	AC Socket	1		J,C
⚠		QMC0437-002	AC Socket	1		U,P,PG
⚠	49	QMC0240-002	AC Socket	1		E,G
⚠	50	EMC0233-001	AC Socket	1		A
⚠	51	EMC0232-001BS	AC Socket	1		LBS
	52	E69291-001	Fuse Holder Cover	1		E,LE,U,P,PG,G
	53	E3400-382	Felt Spacer	1		
	54	E304771-001	Earth Plate	1		
	55	QST4231-E03	Push Switch	1		
	56	QMS6A40-021	3P Pin Jack	1	Headphone	
	57	E74096-001	Protect Sheet	1		
	58	SBSE3008N	Screw	17		
	59	E73237-001	Screw	17		

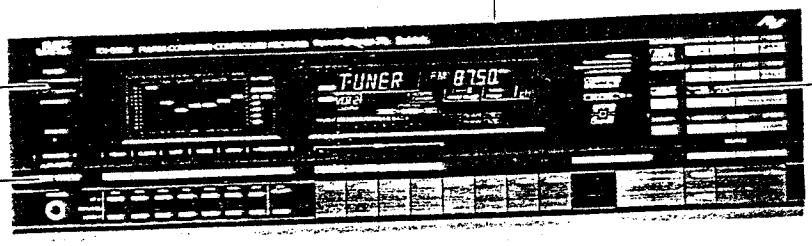
⚠Safety Parts

The Marks for Designated Areas

J ..... U.S.A.
C ..... Canada
A ..... Australia
G ..... West Germany
E, LE ..... Europe
LBS ..... U.K.
P, PG ..... U.S. Military Market
U ..... Other Countries
No mark indicates all areas.

Main Parts Location

■ Front View



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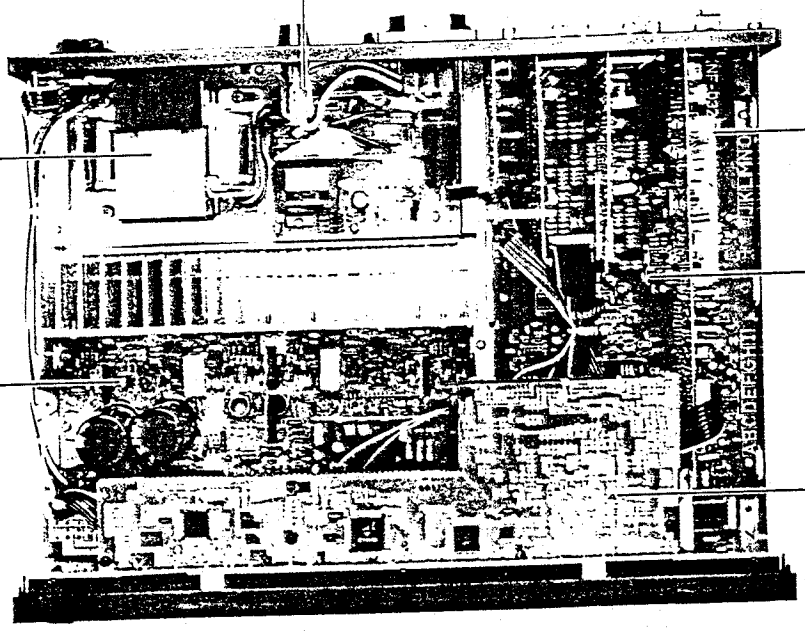
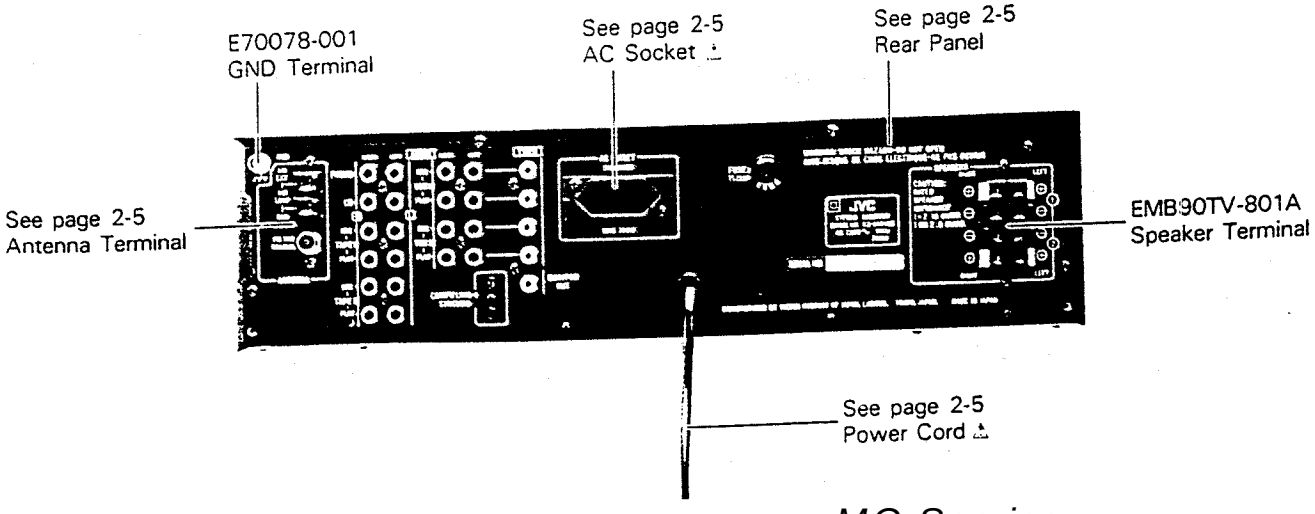
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

■ Top View



■ Rear View



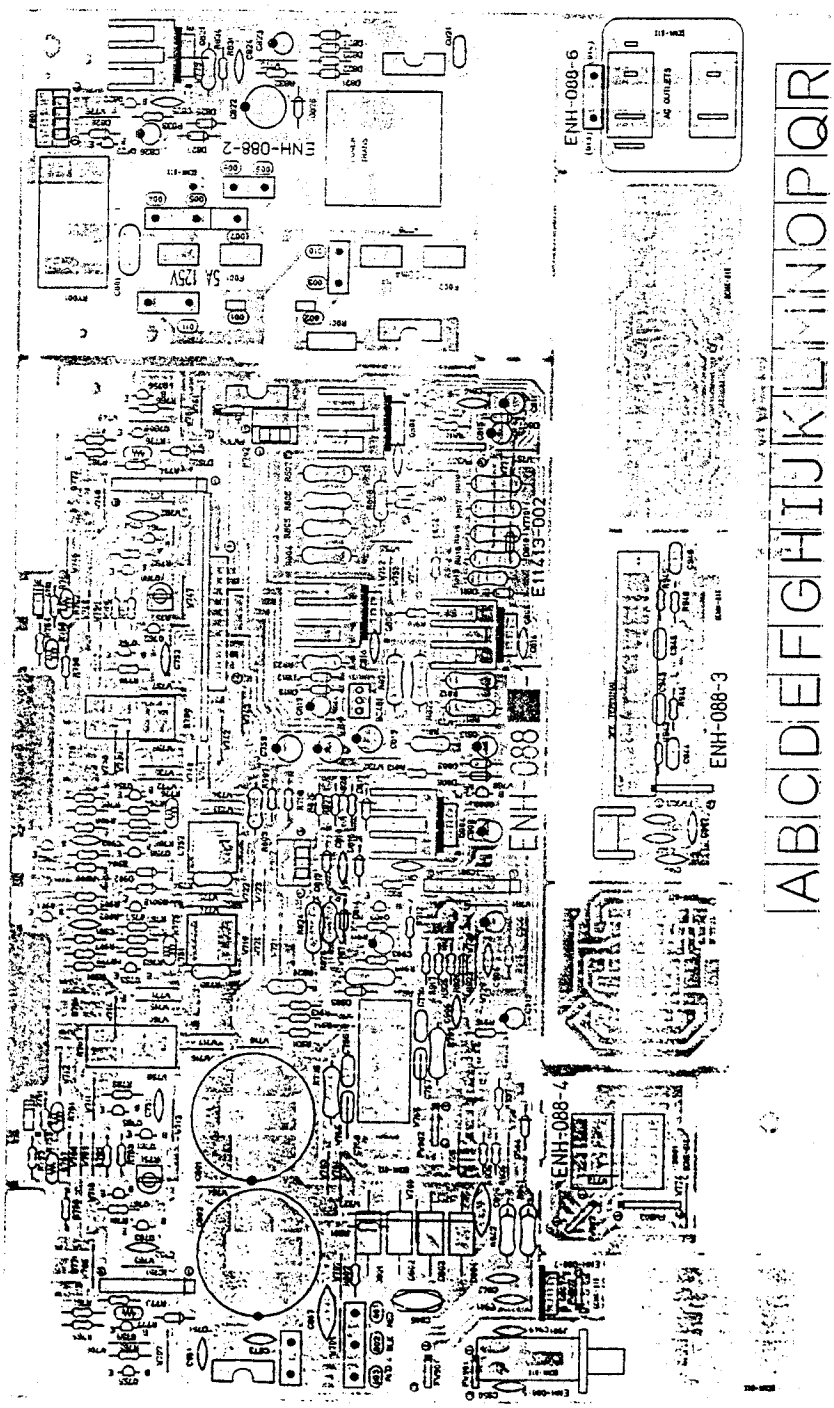
⚠ : Safety parts

Printed Circuit Board Ass'y and Parts List

■ ENH-088 ☐ Audio PC Board Ass'y

Note: ENH-088 ☐ varies according to the areas employed. See note (1) when placing an order.

PC Board Ass'y	Designated Areas
ENH-088 A	U.S.A.
ENH-088 B	Canada
ENH-088 C	U.S. Military Market & Other Countries
ENH-088 D	Europe & Australia
ENH-088 E BS	U.K.
ENH-088 F	West Germany



Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q751	2SD636(Q,R)	SILICON		
	Q752	2SD636(Q,R)	SILICON		
	Q753	2SC945A(P,Q)	SILICON	NEC	
	Q754	2SC945A(P,Q)	SILICON	NEC	
	Q755	2SA733A(P,Q)	SILICON	NEC	
	Q756	2SA733A(P,Q)	SILICON	NEC	
	Q757	2SC945A(P,Q)	SILICON	NEC	
	Q758	2SC945A(P,Q)	SILICON	NEC	
	Q759	2SA733A(P,Q)	SILICON	NEC	
	Q760	2SA733A(P,Q)	SILICON	NEC	
	Q761	2SC1775AV(E,F)	SILICON	HITACHI	
	Q762	2SC1775AV(E,F)	SILICON	HITACHI	
	Q763	2SA872AV(E,F)	SILICON	HITACHI	
	Q764	2SA872AV(E,F)	SILICON	HITACHI	
	Q765	2SC2235(O,Y)	SILICON		
	Q766	2SC2235(O,Y)	SILICON		
	Q767	2SA965(O,Y)	SILICON		
	Q768	2SA965(O,Y)	SILICON		
	Q769	2SD1148LB(O,R)	SILICON		
	Q770	2SD1148LB(O,R)	SILICON		
	Q771	2SB863LB(O,R)	SILICON		
	Q772	2SB863LB(O,R)	SILICON		
	Q801	2SD1666(R,S)	SILICON	SANYO	
	Q802	2SC945A(P,Q)	SILICON	NEC	
	Q803	2SC945A(P,Q)	SILICON	NEC	
	Q804	2SD1666(R,S)	SILICON	SANYO	
	Q805	2SD1666(R,S)	SILICON	SANYO	
	Q806	2SB1133(R,S)	SILICON	SANYO	
	Q807	2SB1133(R,S)	SILICON	SANYO	
	Q821	2SD1265A(O)	SILICON		C
	Q822	2SC2235(O,Y)	SILICON		
	Q823	DTC114YN	SILICON	ROHM	
	Q901	2SC1775AV(E,F)	SILICON	HITACHI	
	Q902	2SC1775AV(E,F)	SILICON	HITACHI	
	Q903	2SA872AV(E,F)	SILICON	HITACHI	

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC751	VCS022-2	I.C.	SANYO	
	IC752	VCS022-2	I.C.	SANYO	
	IC901	TA7317P	I.C.		

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D751	1S2473	SILICON	ROHM	
	D752	1S2473	SILICON	ROHM	
	D801	S3V20F	SILICON		
	D802	S3V20F	SILICON		
	D803	S3V20F	SILICON		
	D804	S3V20F	SILICON		
	D805	1S2473	SILICON	ROHM	
	D806	RD16EB3	ZENER	NEC	
	D807	RD5.6EB3	ZENER	NEC	
	D808	1S2473	SILICON	ROHM	D
	D808	1S2473	SILICON	ROHM	EBS
	D808	1S2473	SILICON	ROHM	F
	D809	RD15EB3	ZENER	NEC	
	D810	1S2473	SILICON	ROHM	D
	D810	1S2473	SILICON	ROHM	EBS
	D810	1S2473	SILICON	ROHM	F
	D811	RD13EB3	ZENER	NEC	
	D812	1S2473	SILICON	ROHM	
	D813	RD16EB3	ZENER	NEC	
	D814	1S2473	SILICON	ROHM	D

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D814	1S2473	SILICON	ROHM	EBS
	D814	1S2473	SILICON	ROHM	F
	D815	RD13EB3	ZENER	NEC	
	D816	RD12EB3	ZENER	NEC	
	D817	RD12EB3	ZENER	NEC	
	D821	11E2	SILICON		
	D822	11E2	SILICON		
	D823	11E2	SILICON		
	D824	11E2	SILICON		
	D825	RD12EB3	ZENER	NEC	C
	D826	1S2473	SILICON	ROHM	
	D827	RD6.3EB1	ZENER		
	D828	1S2473	SILICON	ROHM	A
	D828	1S2473	SILICON	ROHM	B
	D828	1S2473	SILICON	ROHM	C
	D828	1S2473	SILICON	ROHM	EBS
	D828	1S2473	SILICON	ROHM	F
	D828	RD12EB3	ZENER	NEC	D
	D901	1S2473	SILICON	ROHM	
	D902	1S2473	SILICON	ROHM	
	D903	1S2473	SILICON	ROHM	
	D904	1S2473	SILICON	ROHM	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C001	QCZ9019-472	4700PF		CERAMIC	A
	C001	QCZ9019-472	4700PF		CERAMIC	B
	C001	QCZ9019-472	4700PF		CERAMIC	C
	C001	QCZ9019-472	4700PF		CERAMIC	D
	C001	QCZ9019-472	4700PF		CERAMIC	F
	C001	QCZ9019-472BS	4700PF		CERAMIC	EBS
	C751	QCS21HJ-470	47PF	50V	CERAMIC	
	C752	QCS21HJ-470	47PF	50V	CERAMIC	
	C753	QCS21HJ-470	47PF	50V	CERAMIC	
	C754	QCS21HJ-470	47PF	50V	CERAMIC	
	C755	QFN81HK-223	0.022MF	50V	MYLAR	A
	C755	QFN81HK-223	0.022MF	50V	MYLAR	C
	C755	QFN81HK-473	0.047MF	50V	MYLAR	B
	C755	QFN81HK-473	0.047MF	50V	MYLAR	D
	C755	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C755	QFN81HK-473	0.047MF	50V	MYLAR	F
	C756	QFN81HK-223	0.022MF	50V	MYLAR	A
	C756	QFN81HK-223	0.022MF	50V	MYLAR	C
	C756	QFN81HK-473	0.047MF	50V	MYLAR	B
	C756	QFN81HK-473	0.047MF	50V	MYLAR	D
	C756	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C756	QFN81HK-473	0.047MF	50V	MYLAR	F
	C757	QFN81HK-473	0.047MF	50V	MYLAR	B
	C757	QFN81HK-473	0.047MF	50V	MYLAR	D
	C757	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C757	QFN81HK-473	0.047MF	50V	MYLAR	F
	C758	QFN81HK-473	0.047MF	50V	MYLAR	B
	C758	QFN81HK-473	0.047MF	50V	MYLAR	D
	C758	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C758	QFN81HK-473	0.047MF	50V	MYLAR	F
	C759	QET81JM-226	22MF	63V	ELECTRO	
	C760	QET81JM-226	22MF	63V	ELECTRO	
	C801	QEZ0075-878E	8700MF		NON POLE	
	C802	QEZ0075-878E	8700MF		NON POLE	
	C805	QCE22HP-103	0.01MF	500V	CERAMIC	A
	C805	QCE22HP-103	0.01MF	500V	CERAMIC	B
	C805	QCE22HP-103	0.01MF	500V	CERAMIC	C
	C805	QFN42EK-104	0.1MF		M.MYLAR	D
	C805	QFN42EK-104	0.1MF		M.MYLAR	EBS
	C805	QFN42EK-104	0.1MF		M.MYLAR	F
	C806	QCE22HP-103	0.01MF	500V	CERAMIC	
	C807	QCE22HP-103	0.01MF	500V	CERAMIC	
	C808	QCF21HP-472	4700PF	50V	CERAMIC	
	C809	QET81EM-227	220MF	25V	ELECTRO	
	C810	QCF21HP-472	4700PF	50V	CERAMIC	

MC-Service

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C811	QETB1CM-476	47MF	16V	ELECTRO	
	C812	QCF21HP-472	4700PF	50V	CERAMIC	
	C813	QETB1EM-107	100MF	25V	ELECTRO	
	C814	QCF21HP-472	4700PF	50V	CERAMIC	
	C815	QETB1CM-227	220MF	16V	ELECTRO	
	C816	QCF21HP-472	4700PF	50V	CERAMIC	
	C817	QETB1EM-227	220MF	25V	ELECTRO	
	C818	QCF21HP-472	4700PF	50V	CERAMIC	
	C819	QETB1HM-476	47MF	50V	ELECTRO	
	C821	QFM82AK-473	0.047MF	100V	MYLAR	C
	C821	QFN81HK-473	0.047MF	50V	MYLAR	A
	C821	QFN81HK-473	0.047MF	50V	MYLAR	B
	C821	QFN81HK-473	0.047MF	50V	MYLAR	D
	C821	QFN81HK-473	0.047MF	50V	MYLAR	EBS
	C821	QFN81HK-473	0.047MF	50V	MYLAR	F
	C822	QETB1CM-477	470MF	16V	ELECTRO	A
	C822	QETB1CM-477	470MF	16V	ELECTRO	B
	C822	QETB1EM-477	470MF	25V	ELECTRO	D
	C822	QETB1EM-477	470MF	25V	ELECTRO	EBS
	C822	QETB1EM-477	470MF	25V	ELECTRO	F
	C822	QETB1JM-227	220MF	63V	ELECTRO	C
	C823	QETB1HM-225	2.2MF	50V	ELECTRO	
	C824	QCF21HP-472	4700PF	50V	CERAMIC	C
	C825	QCF21HP-472	4700PF	50V	CERAMIC	
	C826	QETB1CM-476	47MF	16V	ELECTRO	
	C901	QCF21HP-223	0.022MF	50V	CERAMIC	
	C902	QCF21HP-223	0.022MF	50V	CERAMIC	
	C903	QETB1EM-226	22MF	25V	ELECTRO	
	C904	QCF21HP-223	0.022MF	50V	CERAMIC	
	C905	QCY21HK-102	1000PF	50V	CERAMIC	
	C906	QETB1AM-476	47MF	10V	ELECTRO	
	C909	QETB1CM-226	22MF	16V	ELECTRO	
	C910	QETB1HM-105	1MF	50V	ELECTRO	
	C941	QCS21HJ-331	330PF	50V	CERAMIC	F
	C942	QCS21HJ-331	330PF	50V	CERAMIC	F
	C943	QFN81HK-103	0.01MF	50V	MYLAR	F
	C944	QFN81HK-103	0.01MF	50V	MYLAR	F
	C945	QFN81HK-103	0.01MF	50V	MYLAR	F
	C946	QFN81HK-103	0.01MF	50V	MYLAR	F
	C947	QCF21HP-103	0.01MF	50V	CERAMIC	F
	C948	QCF21HP-103	0.01MF	50V	CERAMIC	F
	C949	QCS21HJ-101	100PF	50V	CERAMIC	F
	C950	QCS21HJ-101	100PF	50V	CERAMIC	F
	C951	QCF21HP-223	0.022MF	50V	CERAMIC	F

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R001	QRC12SK-275EM	2.7M	1/2W	COMPOSI	A
⚠	R001	QRC12SK-275EM	2.7M	1/2W	COMPOSI	B
	R751	QVZ3518-471			VARIABLE	
	R752	QVZ3518-471			VARIABLE	
	R753	QRD148J-471S	470	1/4W	CARBON	
	R754	QRD148J-471S	470	1/4W	CARBON	
	R755	QRD148J-101S	100	1/4W	CARBON	
	R756	QRD148J-101S	100	1/4W	CARBON	
	R759	QRD148J-391S	390	1/4W	CARBON	
	R760	QRD148J-391S	390	1/4W	CARBON	
	R761	SDT250			THRMISTOR	
	R762	SDT250			THRMISTOR	
	R763	QRD148J-102S	1K	1/4W	CARBON	
	R764	QRD148J-102S	1K	1/4W	CARBON	
	R765	QRD148J-102S	1K	1/4W	CARBON	
	R766	QRD148J-102S	1K	1/4W	CARBON	
	R767	QRD148J-101S	100	1/4W	CARBON	
	R768	QRD148J-101S	100	1/4W	CARBON	
	R769	QRD148J-101S	100	1/4W	CARBON	
	R770	QRD148J-101S	100	1/4W	CARBON	
	R779	QRD148J-820S	82	1/4W	CARBON	
	R780	QRD148J-820S	82	1/4W	CARBON	
	R781	QRD148J-820S	82	1/4W	CARBON	
	R782	QRD148J-820S	82	1/4W	CARBON	
⚠	R783	QRD145J-272S	2.7K	1/4W	UNF.CARBON	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R784	QRD145J-272S	2.7K	1/4W	UNF.CARBON	
⚠	R785	QRD145J-271S	270	1/4W	UNF.CARBON	
⚠	R786	QRD145J-271S	270	1/4W	UNF.CARBON	
	R787	ERF032K-R22	0.22	3W	CEMMENT	
	R788	ERF032K-R22	0.22	3W	CEMMENT	
⚠	R789	QRD145J-100S	10	1/4W	UNF.CARBON	
⚠	R790	QRD145J-100S	10	1/4W	UNF.CARBON	
⚠	R791	QRD145J-100S	10	1/4W	UNF.CARBON	
⚠	R792	QRD145J-100S	10	1/4W	UNF.CARBON	
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	A
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	B
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	C
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	D
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	EBS
⚠	R793	QRD125J-470	47	1/2W	UNF.CARBON	F
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	A
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	B
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	C
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	D
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	EBS
⚠	R794	QRD125J-470	47	1/2W	UNF.CARBON	F
⚠	R795	QRG022J-100A	10	2W	O.M.FILM	
⚠	R796	QRG022J-100A	10	2W	O.M.FILM	
⚠	R797	QRD145J-330S	33	1/4W	UNF.CARBON	
⚠	R798	QRD145J-330S	33	1/4W	UNF.CARBON	
	R801	QRD148J-333S	33K	1/4W	CARBON	
	R802	QRD148J-333S	33K	1/4W	CARBON	
⚠	R803	QRD125J-2R2	2.2	1/2W	UNF.CARBON	
⚠	R804	QRG022J-561A	560	2W	O.M.FILM	
⚠	R805	QRG022J-561A	560	2W	O.M.FILM	
⚠	R806	QRG022J-561A	560	2W	O.M.FILM	
⚠	R807	QRG022J-561A	560	2W	O.M.FILM	
⚠	R808	QRD125J-562	5.6K	1/2W	UNF.CARBON	
⚠	R809	QRD145J-101S	100	1/4W	UNF.CARBON	A
⚠	R809	QRD145J-101S	100	1/4W	UNF.CARBON	B
⚠	R809	QRD145J-101S	100	1/4W	UNF.CARBON	C
⚠	R809	QRZ0062-101	100	1/4W	FUSIBLE	D
⚠	R809	QRZ0062-101	100	1/4W	FUSIBLE	EBS
⚠	R809	QRZ0062-101	100	1/4W	FUSIBLE	F
	R810	QRD148J-152S	1.5K	1/4W	CARBON	
⚠	R811	QRG022J-271A	270	2W	O.M.FILM	
⚠	R812	QRG022J-271A	270	2W	O.M.FILM	
⚠	R813	QRD145J-101S	100	1/4W	UNF.CARBON	A
⚠	R813	QRD145J-101S	100	1/4W	UNF.CARBON	B
⚠	R813	QRD145J-101S	100	1/4W	UNF.CARBON	C
⚠	R813	QRZ0062-101	100	1/4W	FUSIBLE	D
⚠	R813	QRZ0062-101	100	1/4W	FUSIBLE	EBS
⚠	R813	QRZ0062-101	100	1/4W	FUSIBLE	F
⚠	R814	QRD125J-562	5.6K	1/2W	UNF.CARBON	
⚠	R815	QRG022J-561A	560	2W	O.M.FILM	
⚠	R816	QRG022J-561A	560	2W	O.M.FILM	
⚠	R817	QRG022J-561A	560	2W	O.M.FILM	
⚠	R818	QRG022J-561A	560	2W	O.M.FILM	
⚠	R819	QRD125J-562	5.6K	1/2W	UNF.CARBON	
⚠	R820	QRD125J-2R2	2.2	1/2W	UNF.CARBON	
⚠	R821	QRG022J-271A	270	2W	O.M.FILM	
⚠	R822	QRG022J-271A	270	2W	O.M.FILM	
⚠	R823	QRD125J-562	5.6K	1/2W	UNF.CARBON	
⚠	R825	QRD125J-152	1.5K	1/2W	UNF.CARBON	
⚠	R826	QRD145J-560S	56	1/4W	UNF.CARBON	A
⚠	R826	QRD145J-560S	56	1/4W	UNF.CARBON	B
⚠	R826	QRD145J-560S	56	1/4W	UNF.CARBON	C
⚠	R826	QRZ0062-560	56	1/4W	FUSIBLE	D
⚠	R826	QRZ0062-560	56	1/4W	FUSIBLE	EBS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R826	QRZ0062-560	56	1/4W	FUSIBLE	F
⚠	R827	QRD145J-560S	56	1/4W	UNF.CARBON	A
⚠	R827	QRD145J-560S	56	1/4W	UNF.CARBON	B
⚠	R827	QRD145J-560S	56	1/4W	UNF.CARBON	C
⚠	R827	QRZ0062-560	56	1/4W	FUSIBLE	D
⚠	R827	QRZ0062-560	56	1/4W	FUSIBLE	EBS
⚠	R827	QRZ0062-560	56	1/4W	FUSIBLE	F
⚠	R828	QRD145J-560S	56	1/4W	UNF.CARBON	A
⚠	R828	QRD145J-560S	56	1/4W	UNF.CARBON	B
⚠	R828	QRD145J-560S	56	1/4W	UNF.CARBON	C
⚠	R828	QRZ0062-560	56	1/4W	FUSIBLE	D
⚠	R828	QRZ0062-560	56	1/4W	FUSIBLE	EBS
⚠	R828	QRZ0062-560	56	1/4W	FUSIBLE	F
⚠	R831	QRD145J-100S	10	1/4W	UNF.CARBON	A
⚠	R831	QRD145J-100S	10	1/4W	UNF.CARBON	B
⚠	R831	QRD145J-100S	10	1/4W	UNF.CARBON	D
⚠	R831	QRD145J-100S	10	1/4W	UNF.CARBON	F
⚠	R831	QRD145J-220S	22	1/4W	UNF.CARBON	EBS
⚠	R831	QRD145J-3R3S	3.3	1/4W	UNF.CARBON	C
	R832	QRD148J-472S	4.7K	1/4W	CARBON	
	R833	QRD148J-821S	820	1/4W	CARBON	
⚠	R834	QRG012J-222A	2.2K	1W	O.M.FILM	C
	R901	QRD148J-681S	680	1/4W	CARBON	
	R902	QRD148J-681S	680	1/4W	CARBON	
	R903	QRD148J-562S	5.6K	1/4W	CARBON	
	R904	QRD148J-562S	5.6K	1/4W	CARBON	
	R905	QRD148J-123S	12K	1/4W	CARBON	
	R906	QRD148J-123S	12K	1/4W	CARBON	
	R907	QRD148J-152S	1.5K	1/4W	CARBON	
	R908	QRD148J-152S	1.5K	1/4W	CARBON	
	R909	QRD148J-103S	10K	1/4W	CARBON	
	R911	QRD148J-332S	3.3K	1/4W	CARBON	
	R912	QRD148J-473S	47K	1/4W	CARBON	
	R913	QRD148J-104S	100K	1/4W	CARBON	
	R914	QRD148J-823S	82K	1/4W	CARBON	
	R915	QRD148J-473S	47K	1/4W	CARBON	
	R916	QRD148J-563S	56K	1/4W	CARBON	
	R917	QRD148J-683S	68K	1/4W	CARBON	
	R918	QRD148J-392S	3.9K	1/4W	CARBON	
	R921	QRD148J-224S	220K	1/4W	CARBON	
	R922	QRD148J-562S	5.6K	1/4W	CARBON	
⚠	R924	QRG022J-821A	820	2W	O.M.FILM	
	R925	QRD148J-151S	150	1/4W	CARBON	
	R926	QRD148J-331S	330	1/4W	CARBON	
⚠	R931	QRD145J-330S	33	1/4W	UNF.CARBON	
	R935	QRD148J-562S	5.6K	1/4W	CARBON	
	R936	QRD148J-822S	8.2K	1/4W	CARBON	
	R937	QRD148J-822S	8.2K	1/4W	CARBON	
⚠	R941	QRG022J-271A	270	2W	O.M.FILM	
⚠	R942	QRG022J-271A	270	2W	O.M.FILM	
⚠	R943	QRZ0062-100	10	1/4W	FUSIBLE	F
⚠	R944	QRZ0062-100	10	1/4W	FUSIBLE	F
⚠	R945	QRZ0062-100	10	1/4W	FUSIBLE	F
⚠	R946	QRZ0062-100	10	1/4W	FUSIBLE	F

Others

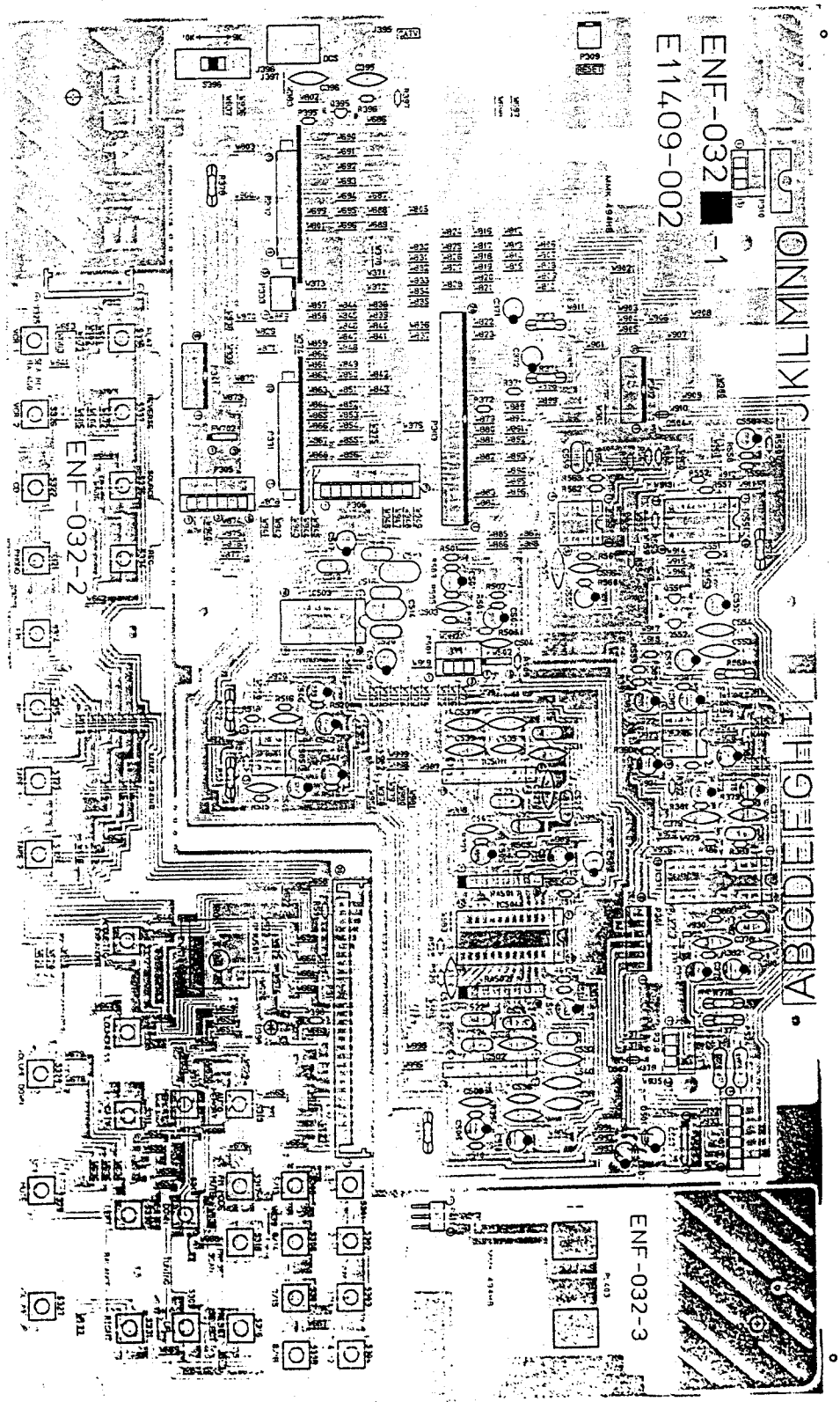
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	J901	QMS6A40-021	JACK ASSY	
	L751	EQL0101-1R2	INDUCTOR	
	L752	EQL0101-1R2	INDUCTOR	
	P702	EMV7112-003	SOCKET	
	P801	EMV7112-004	SOCKET	
	P802	EMV7112-003	SOCKET	
	RY001	ESK1D12-113	RELAY	A
	RY001	ESK1D12-113	RELAY	B
	RY001	ESK1D12-113	RELAY	C
	RY001	ESK1D12-113	RELAY	D
	RY001	ESK1D12-113	RELAY	F
	RY001	ESK1D12-113BS	RELAY	EBS
	RY901	ESK5D24-218	RELAY	
	S901	QST4231-E03	PUSH SWITCH	
	S902	QST4231-E03	PUSH SWITCH	
		E11413-002	CIRCUIT BOARD	A
		E11413-002	CIRCUIT BOARD	B
		E11413-002	CIRCUIT BOARD	C
		E11413-002	CIRCUIT BOARD	D
		E11413-002	CIRCUIT BOARD	F
		E11413-002BS	CIRCUIT BOARD	EBS
		E304586-001	H.SINK BRACKET	
		E304586-002	H.SINK BRACKET	
		E304655-001	HEAT SINK	
		E65508-002	TAB	
		E67764-102	R.TERMINAL	C
		E67764-102	R.TERMINAL	
		E67764-103	R.TERMINAL	
		E67764-202	R.TERMINAL	A
		E67764-202	R.TERMINAL	B
		E67764-202	R.TERMINAL	D
		E67764-202	R.TERMINAL	EBS
		E67764-202	R.TERMINAL	F
		E67764-203	TERMINAL ASSY	C
		E67764-302	R.TERMINAL	A
		E67764-302	R.TERMINAL	B
		E67764-302	R.TERMINAL	C
		E70225-001	EARTH PLATE	F
		E70859-001	EARTH PLATE	A
		E70859-001	EARTH PLATE	B
		E70859-001	EARTH PLATE	
		E70945-H25B	HEAT SINK	
		E70945-H40B	HEAT SINK	C
		E73525-001	SCREW	
		EMB90TV-801A	SPK.TERMINAL	
		EMG7331-001	FUSE CLIP	A
		EMG7331-001	FUSE CLIP	B
		EMG7331-001	FUSE CLIP	D
		EMG7331-001	FUSE CLIP	EBS
		EMG7331-001	FUSE CLIP	F
		ENG-004G	PRE DRIVER ASSY	A
		ENG-004G	PRE DRIVER ASSY	B
		ENG-004G	PRE DRIVER ASSY	C
		ENG-004H	PRE DRIVER ASSY	D
		ENG-004H	PRE DRIVER ASSY	EBS
		ENG-004I	PRE DRIVER ASSY	F
⚠		ETP1000-41EA	POWER TRANSFORMER	D
⚠		ETP1000-41EA	POWER TRANSFORMER	F
⚠		ETP1000-41EABS	POWER TRANSFORMER	EBS
⚠		ETP1000-41ZA	POWER TRANSFORMER	C
⚠		ETP1000-42JA	POWER TRANSFORMER	A
⚠		ETP1000-42JA	POWER TRANSFORMER	B
⚠		QMC0437-002	AC SOCKET	C
⚠		QMC0440-001	AC SOCKET	A
⚠		QMC0440-001	AC SOCKET	B
		SBSB3012CC	T.SCREW	C
		SBSB3012CC	T.SCREW	
		SBSE3008CC	SCREW	

MC-Service

■ ENF-032 ☐ Switch & Control PC Board Ass'y

Note: ENF-032 ☐ varies according to the areas employed. See note (1) when placing an order.

PC Board Ass'y	Designated Areas
ENF-032 [A]	U.S.A. & Canada
ENF-032 [B]	U.S. Military Market & Other Countries
ENF-032 [C]	Europe, Australia & U.K.
ENF-032 [D]	West Germany



Transistors

ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
Q395	2SC1685(Q,R)	SILICON		A
Q551	DTA114YN	SILICON	ROHM	
Q552	DTC144EN	SILICON	ROHM	

ICs

ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
IC371	TC9177P	I.C.		
IC372	NJM4560D-X	I.C.		
IC501	BA3812L	I.C.	ROHM	
IC502	BA3812L	I.C.	ROHM	
IC503	LA3608S	I.C.	SANYO	
IC504	LC7522	I.C.	SANYO	
IC505	NJM4560D-X	I.C.		
IC551	LC4966	I.C.	SANYO	
IC552	NJM4558D	I.C.		

Diodes

ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
D398	SLH-34VC3F	L.E.D.	ROHM	
D501	MTZ6.8JC	ZENER	ROHM	
D502	MTZ6.8JC	ZENER	ROHM	

Capacitors

ITEM	PART NUMBER	DESCRIPTION			AREA
C371	QETB1EM-476	47MF	25V	ELECTRO	
C372	QETB1EM-476	47MF	25V	ELECTRO	
C373	QETB1HM-475	4.7MF	50V	ELECTRO	
C374	QETB1HM-475	4.7MF	50V	ELECTRO	
C375	QETB1EM-476	47MF	25V	ELECTRO	
C376	QETB1EM-476	47MF	25V	ELECTRO	
C377	QCF21HP-223	0.022MF	50V	CERAMIC	
C378	QCF21HP-223	0.022MF	50V	CERAMIC	
C379	QCS21HJ-181	180PF	50V	CERAMIC	
C380	QCS21HJ-181	180PF	50V	CERAMIC	
C381	QFN81HK-333	0.033MF	50V	MYLAR	
C382	QFN81HK-333	0.033MF	50V	MYLAR	
C383	QETB1HM-105	1MF	50V	ELECTRO	
C384	QETB1HM-105	1MF	50V	ELECTRO	
C385	QETB1EM-106	10MF	25V	ELECTRO	
C386	QETB1EM-106	10MF	25V	ELECTRO	
C395	QCF21HP-223	0.022MF	50V	CERAMIC	A
C396	QCF21HP-223	0.022MF	50V	CERAMIC	
C501	QETB1HM-475	4.7MF	50V	ELECTRO	
C502	QETB1HM-475	4.7MF	50V	ELECTRO	
C503	QCS21HJ-101	100PF	50V	CERAMIC	
C504	QCS21HJ-101	100PF	50V	CERAMIC	
C505	QETB1EM-226	22MF	25V	ELECTRO	
C506	QETB1EM-226	22MF	25V	ELECTRO	
C507	QCS21HJ-101	100PF	50V	CERAMIC	
C508	QCS21HJ-101	100PF	50V	CERAMIC	
C509	QETB1EM-226	22MF	25V	ELECTRO	
C510	QETB1EM-226	22MF	25V	ELECTRO	
C511	QETB1HM-475	4.7MF	50V	ELECTRO	
C512	QETB1HM-475	4.7MF	50V	ELECTRO	
C513	QFV81HJ-684	0.68MF	50V	T.FILM	
C514	QFV81HJ-684	0.68MF	50V	T.FILM	
C515	QFN81HK-104	0.1MF	50V	MYLAR	
C516	QFN81HK-104	0.1MF	50V	MYLAR	
C517	QEB51HM-224	0.22MF	50V	ELECTRO	
C518	QEB51HM-224	0.22MF	50V	ELECTRO	
C519	QFN81HK-473	0.047MF	50V	MYLAR	
C520	QFN81HK-473	0.047MF	50V	MYLAR	
C521	QFN81HK-104	0.1MF	50V	MYLAR	
C522	QFN81HK-104	0.1MF	50V	MYLAR	

Capacitors

ITEM	PART NUMBER	DESCRIPTION			AREA
C523	QFN81HK-153	0.015MF	50V	MYLAR	
C524	QFN81HK-153	0.015MF	50V	MYLAR	
C525	QFN81HK-333	0.033MF	50V	MYLAR	
C526	QFN81HK-333	0.033MF	50V	MYLAR	
C527	QCY21HK-562	5600PF	50V	CERAMIC	
C528	QCY21HK-562	5600PF	50V	CERAMIC	
C529	QFN81HK-123	0.012MF	50V	MYLAR	
C530	QFN81HK-123	0.012MF	50V	MYLAR	
C531	QCY21HK-272	2700PF	50V	CERAMIC	
C532	QCY21HK-272	2700PF	50V	CERAMIC	
C533	QCY21HK-562	5600PF	50V	CERAMIC	
C534	QCY21HK-562	5600PF	50V	CERAMIC	
C535	QCY21HK-102	1000PF	50V	CERAMIC	
C536	QCY21HK-102	1000PF	50V	CERAMIC	
C537	QCY21HK-222	2200PF	50V	CERAMIC	
C538	QCY21HK-222	2200PF	50V	CERAMIC	
C539	QCS21HJ-331	330PF	50V	CERAMIC	
C540	QCS21HJ-331	330PF	50V	CERAMIC	
C541	QETB1CM-226	22MF	16V	ELECTRO	
C542	QETB1CM-226	22MF	16V	ELECTRO	
C543	QCF21HP-223	0.022MF	50V	CERAMIC	
C545	QETB1HM-475	4.7MF	50V	ELECTRO	
C546	QETB1HM-475	4.7MF	50V	ELECTRO	
C547	QETB1CM-226	22MF	16V	ELECTRO	
C548	QETB1CM-226	22MF	16V	ELECTRO	
C551	QETB1EM-106	10MF	25V	ELECTRO	
C552	QETB1EM-106	10MF	25V	ELECTRO	
C553	QCF21HP-223	0.022MF	50V	CERAMIC	
C554	QCF21HP-223	0.022MF	50V	CERAMIC	
C555	QETB1HM-475	4.7MF	50V	ELECTRO	
C556	QCS21HJ-271	270PF	50V	CERAMIC	
C557	QCY21HK-472	4700PF	50V	CERAMIC	
C558	QETB1HM-475	4.7MF	50V	ELECTRO	
C559	QFN81HK-333	0.033MF	50V	MYLAR	
C561	QCS21HJ-471	470PF	50V	CERAMIC	
C562	QCS21HJ-471	470PF	50V	CERAMIC	

Resistors

ITEM	PART NUMBER	DESCRIPTION			AREA
R371	QRD161J-331	330	1/6W	CARBON	
R372	QRD161J-331	330	1/6W	CARBON	
R373	QRD145J-680S	68	1/4W	UNF.CARBON	A
R373	QRD145J-680S	68	1/4W	UNF.CARBON	B
R373	QRZ0062-680	68	1/4W	FUSIBLE	C
R373	QRZ0062-680	68	1/4W	FUSIBLE	D
R374	QRD145J-680S	68	1/4W	UNF.CARBON	A
R374	QRD145J-680S	68	1/4W	UNF.CARBON	B
R374	QRZ0062-680	68	1/4W	FUSIBLE	C
R374	QRZ0062-680	68	1/4W	FUSIBLE	D
R375	QRD145J-220S	22	1/4W	UNF.CARBON	A
R375	QRD145J-220S	22	1/4W	UNF.CARBON	B
R375	QRZ0062-220	22	1/4W	FUSIBLE	C
R375	QRZ0062-220	22	1/4W	FUSIBLE	D
R376	QRD145J-220S	22	1/4W	UNF.CARBON	A
R376	QRD145J-220S	22	1/4W	UNF.CARBON	B
R376	QRZ0062-220	22	1/4W	FUSIBLE	C
R376	QRZ0062-220	22	1/4W	FUSIBLE	D
R377	QRD145J-680S	68	1/4W	UNF.CARBON	A
R377	QRD145J-680S	68	1/4W	UNF.CARBON	B
R377	QRZ0062-680	68	1/4W	FUSIBLE	C
R377	QRZ0062-680	68	1/4W	FUSIBLE	D
R378	QRD145J-680S	68	1/4W	UNF.CARBON	A
R378	QRD145J-680S	68	1/4W	UNF.CARBON	B
R378	QRZ0062-680	68	1/4W	FUSIBLE	C
R378	QRZ0062-680	68	1/4W	FUSIBLE	D
R379	QRD161J-105	1M	1/6W	CARBON	
R380	QRD161J-105	1M	1/6W	CARBON	
R381	QRD161J-563	56K	1/6W	CARBON	
R382	QRD161J-563	56K	1/6W	CARBON	

MC-Service

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R383	QRD161J-563	56K	1/6W	CARBON	
	R384	QRD161J-563	56K	1/6W	CARBON	
	R385	QRD161J-474	470K	1/6W	CARBON	
	R386	QRD161J-474	470K	1/6W	CARBON	
	R387	QRD161J-103	10K	1/6W	CARBON	
	R388	QRD161J-103	10K	1/6W	CARBON	
	R389	QRD161J-103	10K	1/6W	CARBON	
	R390	QRD161J-103	10K	1/6W	CARBON	
	R391	QRD161J-105	1M	1/6W	CARBON	
	R392	QRD161J-105	1M	1/6W	CARBON	
	R393	QRD161J-103	10K	1/6W	CARBON	
	R394	QRD161J-103	10K	1/6W	CARBON	
	R395	QRD161J-103	10K	1/6W	CARBON	A
	R396	QRD161J-101	100	1/6W	CARBON	A
	R397	QRD161J-221	220	1/6W	CARBON	A
	R398	QRD161J-221	220	1/6W	CARBON	
	R501	QRD161J-473	47K	1/6W	CARBON	
	R502	QRD161J-473	47K	1/6W	CARBON	
	R503	QRD161J-753	75K	1/6W	CARBON	
	R504	QRD161J-753	75K	1/6W	CARBON	
	R505	QRD161J-124	120K	1/6W	CARBON	
	R506	QRD161J-124	120K	1/6W	CARBON	
	R507	QRD161J-102	1K	1/6W	CARBON	
	R508	QRD161J-102	1K	1/6W	CARBON	
	R509	QRD161J-103	10K	1/6W	CARBON	
	R510	QRD161J-103	10K	1/6W	CARBON	
	R511	QRD161J-224	220K	1/6W	CARBON	
	R512	QRD161J-224	220K	1/6W	CARBON	
	R513	QRD161J-224	220K	1/6W	CARBON	
	R514	QRD161J-224	220K	1/6W	CARBON	
	R515	QRD161J-103	10K	1/6W	CARBON	
	R516	QRD161J-103	10K	1/6W	CARBON	
	R517	QRD161J-103	10K	1/6W	CARBON	
	R518	QRD161J-103	10K	1/6W	CARBON	
	R519	QRD161J-104	100K	1/6W	CARBON	
	R520	QRD161J-104	100K	1/6W	CARBON	
⚠	R521	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R521	QRD145J-680S	68	1/4W	UNF.CARBON	B
⚠	R521	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R521	QRZ0062-680	68	1/4W	FUSIBLE	D
⚠	R522	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R522	QRD145J-680S	68	1/4W	UNF.CARBON	B
⚠	R522	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R522	QRZ0062-680	68	1/4W	FUSIBLE	D
⚠	R523	QRD125J-271	270	1/2W	UNF.CARBON	
⚠	R524	QRD125J-271	270	1/2W	UNF.CARBON	
	R525	QRD161J-681	680	1/6W	CARBON	
	R526	QRD161J-272	2.7K	1/6W	CARBON	
	R551	QRD161J-563	56K	1/6W	CARBON	
	R552	QRD161J-563	56K	1/6W	CARBON	
	R553	QRD161J-563	56K	1/6W	CARBON	
	R554	QRD161J-474	470K	1/6W	CARBON	
	R555	QRD161J-474	470K	1/6W	CARBON	
	R556	QRD161J-474	470K	1/6W	CARBON	
	R557	QRD161J-563	56K	1/6W	CARBON	
	R558	QRD161J-223	22K	1/6W	CARBON	
	R559	QRD161J-273	27K	1/6W	CARBON	
	R560	QRD161J-154	150K	1/6W	CARBON	
	R561	QRD161J-394	390K	1/6W	CARBON	
	R562	QRD161J-333	33K	1/6W	CARBON	
	R563	QRD161J-474	470K	1/6W	CARBON	
	R564	QRD161J-683	68K	1/6W	CARBON	
	R565	QRD161J-273	27K	1/6W	CARBON	
	R566	QRD161J-223	22K	1/6W	CARBON	
	R567	QRD161J-104	100K	1/6W	CARBON	
⚠	R569	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R569	QRD145J-680S	68	1/4W	UNF.CARBON	B
⚠	R569	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R569	QRZ0062-680	68	1/4W	FUSIBLE	D
⚠	R570	QRD145J-680S	68	1/4W	UNF.CARBON	A

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R570	QRD145J-680S	68	1/4W	UNF.CARBON	B
⚠	R570	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R570	QRZ0062-680	68	1/4W	FUSIBLE	D
	R591	QRD161J-221	220	1/6W	CARBON	
	R593	QRD161J-472	4.7K	1/6W	CARBON	
	R594	QRD161J-472	4.7K	1/6W	CARBON	
	RA501	QRB075J-474	470K		ARRAY	
	RA502	QRB075J-474	470K		ARRAY	A
	RA502	QRB075J-474	470K		ARRAY	B
	RA502	QRB075J-474	470K		ARRAY	C
	RA502	QRB075J-474	470K		ARRAY	D

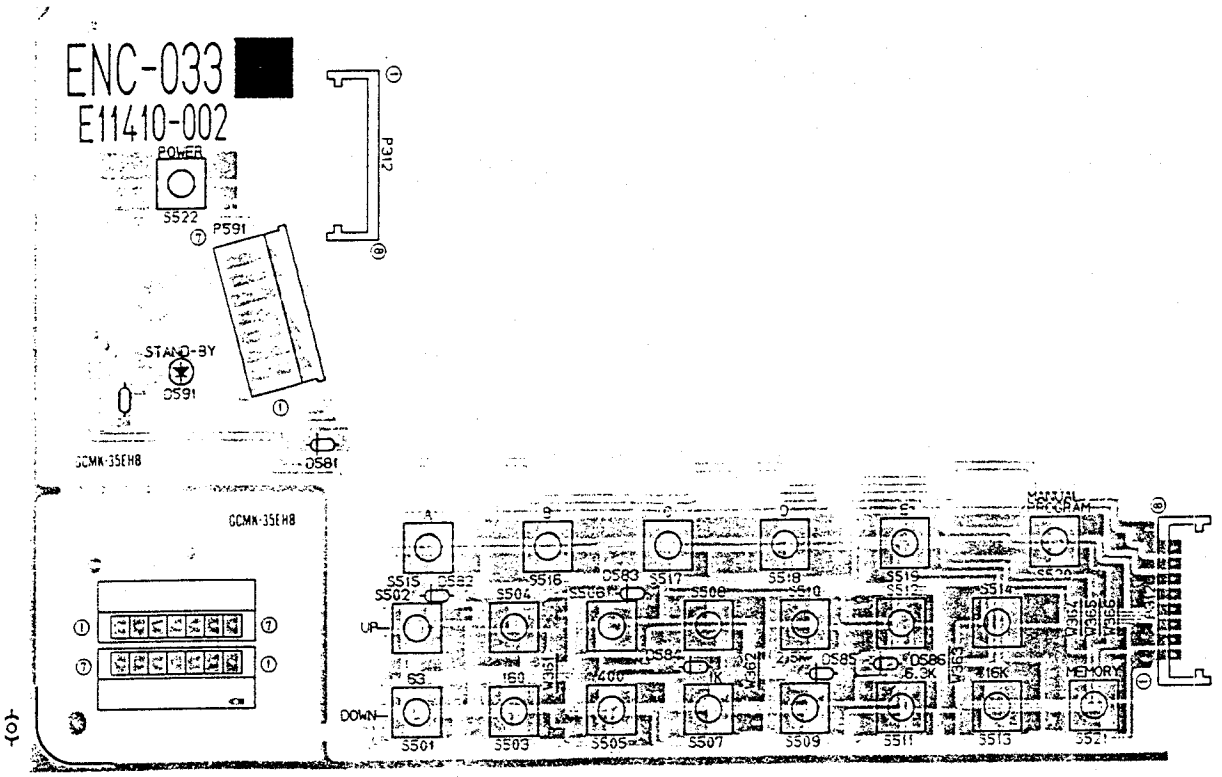
Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	J395	EMZ1004-001	CONNECTOR(CATV)	A
	J396	QMS3533-001	JACK ASSY	
	J397	QMS3533-001	JACK ASSY	
	P301	E04363-006	6P PLUG ASSY	
	P302	E04363-006	6P PLUG ASSY	
	P303	E04363-020	PLUG ASSY	
	P305	EMV7112-006	SOCKET	
	P306	EMV7112-009	SOCKET	
	P307	EMV7112-006	SOCKET	
	P308	EMV7112-003	SOCKET	
	P309	QMV5005-002K	PLUG ASSY	
	P311	EMV5121-030	CONNECTOR	
	P312	EMV7120-008	CONNECTOR	
	P341	E04363-006	6P PLUG ASSY	
	P411	QMV5004-003K	PLUG ASSY	
	S301	ESP0001-007	PUSH SWITCH	
	S302	ESP0001-007	PUSH SWITCH	
	S303	ESP0001-007	PUSH SWITCH	
	S304	ESP0001-007	PUSH SWITCH	
	S305	ESP0001-007	PUSH SWITCH	
	S306	ESP0001-007	PUSH SWITCH	
	S307	ESP0001-007	PUSH SWITCH	
	S308	ESP0001-007	PUSH SWITCH	
	S309	ESP0001-007	PUSH SWITCH	
	S310	ESP0001-007	PUSH SWITCH	
	S311	ESP0001-007	PUSH SWITCH	A
	S312	ESP0001-007	PUSH SWITCH	
	S313	ESP0001-007	PUSH SWITCH	
	S314	ESP0001-007	PUSH SWITCH	
	S315	ESP0001-007	PUSH SWITCH	
	S316	ESP0001-007	PUSH SWITCH	
	S317	ESP0001-007	PUSH SWITCH	
	S318	ESP0001-007	PUSH SWITCH	
	S321	ESP0001-007	PUSH SWITCH	
	S322	ESP0001-007	PUSH SWITCH	
	S323	ESP0001-007	PUSH SWITCH	
	S324	ESP0001-007	PUSH SWITCH	
	S325	ESP0001-007	PUSH SWITCH	
	S326	ESP0001-007	PUSH SWITCH	
	S327	ESP0001-007	PUSH SWITCH	
	S328	ESP0001-007	PUSH SWITCH	
	S329	ESP0001-007	PUSH SWITCH	
	S330	ESP0001-007	PUSH SWITCH	
	S331	ESP0001-007	PUSH SWITCH	
	S332	ESP0001-007	PUSH SWITCH	
	S333	ESP0001-007	PUSH SWITCH	
	S334	ESP0001-007	PUSH SWITCH	
	S335	ESP0001-007	PUSH SWITCH	
	S336	ESP0001-007	PUSH SWITCH	
	S337	ESP0001-007	PUSH SWITCH	
	S396	QSS1F22-E01	SLIDE SWITCH	B
		E11409-002	CIRCUIT BOARD	
		E302321-002	FASTENER	
		E45524-002	FUSE CLIP	
		E70859-001	EARTH PLATE	

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		ENE-032A	VIDEO SW ASSY	A
		ENE-032A	VIDEO SW ASSY	B
		ENE-032A	VIDEO SW ASSY	C
		ENE-032B	VIDEO SW ASSY	D
		GP10501	PHOTO SENSER	

■ ENC-033A SEA & Power Switch PC Board Ass'y



Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
				MAKER	
	D581	1SS133	SILICON	ROHM	
	D582	1SS133	SILICON	ROHM	
	D583	1SS133	SILICON	ROHM	
	D584	1SS133	SILICON	ROHM	
	D585	1SS133	SILICON	ROHM	
	D586	1SS133	SILICON	ROHM	
	D591	SLH-34VCGF	L.E.D.	ROHM	

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	P312	EMV5120-008	CONNECTOR	
	P591	EMV7112-007R	SOCKET	
	S501	ESP0001-007	PUSH SWITCH	
	S502	ESP0001-007	PUSH SWITCH	
	S503	ESP0001-007	PUSH SWITCH	
	S504	ESP0001-007	PUSH SWITCH	
	S505	ESP0001-007	PUSH SWITCH	
	S506	ESP0001-007	PUSH SWITCH	
	S507	ESP0001-007	PUSH SWITCH	
	S508	ESP0001-007	PUSH SWITCH	
	S509	ESP0001-007	PUSH SWITCH	
	S510	ESP0001-007	PUSH SWITCH	
	S511	ESP0001-007	PUSH SWITCH	
	S512	ESP0001-007	PUSH SWITCH	
	S513	ESP0001-007	PUSH SWITCH	

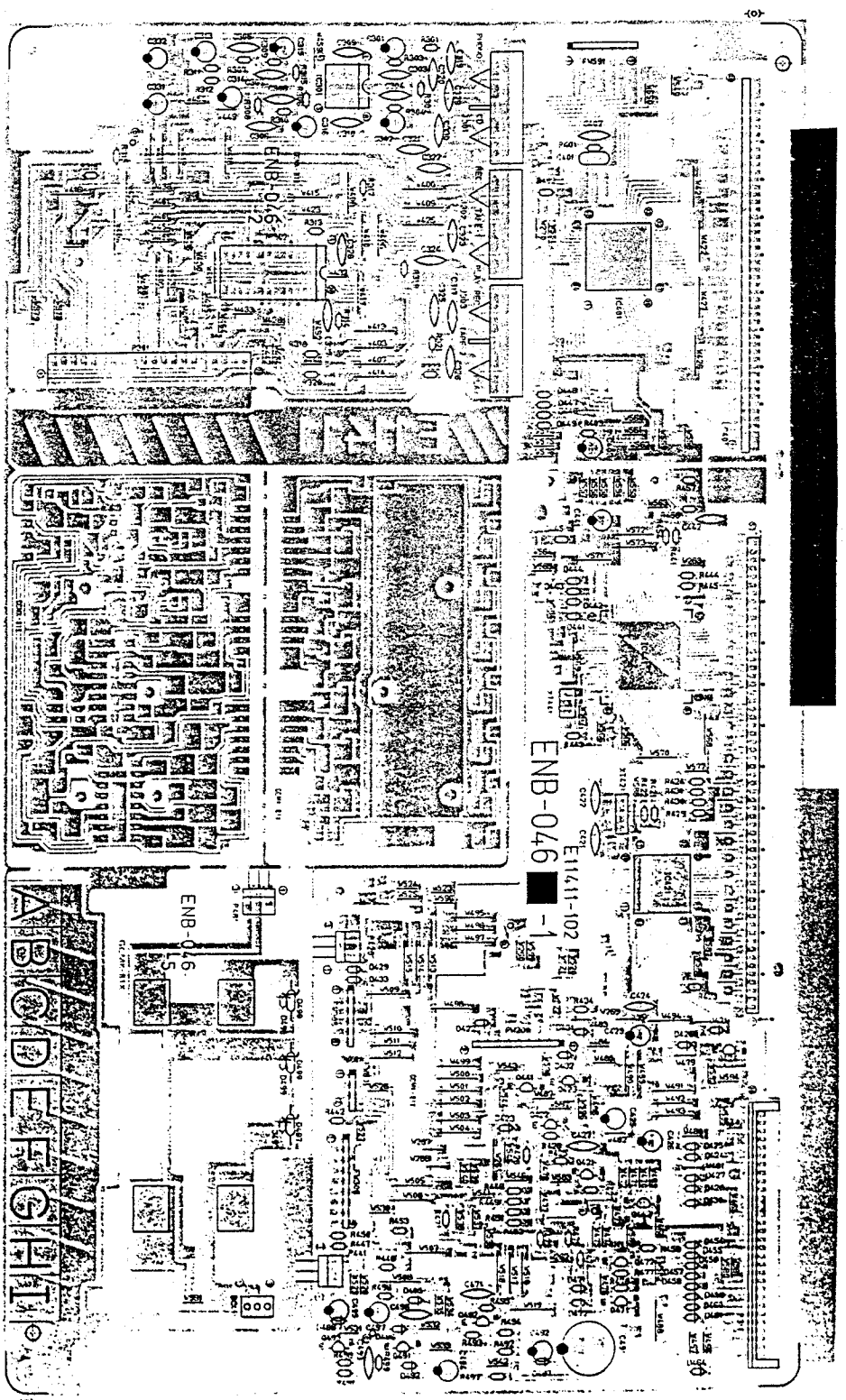
Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	S514	ESP0001-007	PUSH SWITCH	
	S515	ESP0001-007	PUSH SWITCH	
	S516	ESP0001-007	PUSH SWITCH	
	S517	ESP0001-007	PUSH SWITCH	
	S518	ESP0001-007	PUSH SWITCH	
	S519	ESP0001-007	PUSH SWITCH	
	S520	ESP0001-007	PUSH SWITCH	
	S521	ESP0001-007	PUSH SWITCH	
	S522	ESP0001-007	PUSH SWITCH	
		E11410-002	CIRCUIT BOARD	

■ ENB-046 ☐ LCD & Control PC Board Ass'y

Note: ENB-046 ☐ varies according to the areas employed. See note (1) when placing an order.

PC Board Ass'y	Designated Areas
ENB-046 [A]	U.S.A. & Canada
ENB-046 [B]	U.S. Military Market & Other Countries
ENB-046 [C]	Europe & Australia
ENB-046 [D]	Europe & U.K. with LW
ENB-046 [E]	West Germany



Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q421	2SC458(C,D)	SILICON	HITACHI	
	Q422	2SC458(C,D)	SILICON	HITACHI	
	Q423	DTC144E	SILICON	ROHM	
	Q424	2SC1685(Q,R)	SILICON		
	Q441	DTC144EN	SILICON	ROHM	
	Q442	DTA144EN	SILICON	ROHM	
	Q471	2SC458(C,D)	SILICON	HITACHI	
	Q472	2SC458(C,D)	SILICON	HITACHI	
	Q491	2SC458(C,D)	SILICON	HITACHI	
	Q492	2SC458(C,D)	SILICON	HITACHI	
	Q493	DTC144EN	SILICON	ROHM	

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC301	NJM4558D-D	I.C.		
	IC302	TC9154N	I.C.		
	IC401	LC7560	I.C.	SANYO	
	IC421	LC5310M-246	I.C.	SANYO	
	IC441	MN17861JSF1	I.C.		

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D421	1SS133	SILICON	ROHM	
	D422	1SS133	SILICON	ROHM	
	D423	1SS133	SILICON	ROHM	
	D424	1SS133	SILICON	ROHM	
	D425	1SS133	SILICON	ROHM	
	D426	1SS133	SILICON	ROHM	
	D427	1SS133	SILICON	ROHM	A
	D428	1SS133	SILICON	ROHM	B
	D428	1SS133	SILICON	ROHM	C
	D428	1SS133	SILICON	ROHM	D
	D428	1SS133	SILICON	ROHM	E
	D429	1SS133	SILICON	ROHM	C
	D429	1SS133	SILICON	ROHM	D
	D429	1SS133	SILICON	ROHM	E
	D430	1SS133	SILICON	ROHM	D
	D431	1SS133	SILICON	ROHM	
	D432	1SS133	SILICON	ROHM	
	D433	1SS133	SILICON	ROHM	B
	D441	1SS133	SILICON	ROHM	
	D442	1SS133	SILICON	ROHM	
	D443	1SS133	SILICON	ROHM	
	D444	1SS133	SILICON	ROHM	
	D445	1SS133	SILICON	ROHM	
	D446	1SS133	SILICON	ROHM	
	D447	1SS133	SILICON	ROHM	
	D448	1SS133	SILICON	ROHM	
	D449	1SS133	SILICON	ROHM	
	D456	1SS133	SILICON	ROHM	
	D457	1SS133	SILICON	ROHM	
	D459	1SS133	SILICON	ROHM	
	D464	1SS133	SILICON	ROHM	
	D471	1SS133	SILICON	ROHM	
	D472	1SS133	SILICON	ROHM	
	D485	1SS133	SILICON	ROHM	
	D486	1SS133	SILICON	ROHM	
	D487	1SS133	SILICON	ROHM	
	D488	MTZ5.6JC	ZENER	ROHM	
	D492	1SS133	SILICON	ROHM	
	D497	MTZ12JC	ZENER	ROHM	A
	D497	MTZ12JC	ZENER	ROHM	B

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D497	RD12EB3	ZENER	NEC	C
	D497	RD12EB3	ZENER	NEC	D
	D497	RD12EB3	ZENER	NEC	E
	D498	MTZ12JC	ZENER	ROHM	A
	D498	MTZ12JC	ZENER	ROHM	B
	D498	RD12EB3	ZENER	NEC	C
	D498	RD12EB3	ZENER	NEC	D
	D498	RD12EB3	ZENER	NEC	E
	D499	MTZ12JC	ZENER	ROHM	A
	D499	MTZ12JC	ZENER	ROHM	B
	D499	RD12EB3	ZENER	NEC	C
	D499	RD12EB3	ZENER	NEC	D
	D499	RD12EB3	ZENER	NEC	E

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C301	QETB1HM-475	4.7MF	50V	ELECTRO	
	C302	QETB1HM-475	4.7MF	50V	ELECTRO	
	C303	QCS21HJ-101	100PF	50V	CERAMIC	
	C304	QCS21HJ-101	100PF	50V	CERAMIC	
	C305	QCY21HK-182	1800PF	50V	CERAMIC	
	C306	QCY21HK-182	1800PF	50V	CERAMIC	
	C307	QCY21HK-682	6800PF	50V	CERAMIC	
	C308	QCY21HK-682	6800PF	50V	CERAMIC	
	C309	QCS21HJ-101	100PF	50V	CERAMIC	
	C310	QCS21HJ-101	100PF	50V	CERAMIC	
	C313	QETB1HM-475	4.7MF	50V	ELECTRO	
	C314	QETB1HM-475	4.7MF	50V	ELECTRO	
	C315	QETB1EM-476	47MF	25V	ELECTRO	
	C316	QETB1EM-476	47MF	25V	ELECTRO	
	C317	QCF21HP-223	0.022MF	50V	CERAMIC	
	C319	QCS21HJ-101	100PF	50V	CERAMIC	E
	C320	QCS21HJ-101	100PF	50V	CERAMIC	E
	C321	QCS21HJ-331	330PF	50V	CERAMIC	E
	C322	QCS21HJ-331	330PF	50V	CERAMIC	E
	C323	QCS21HJ-331	330PF	50V	CERAMIC	E
	C324	QCS21HJ-331	330PF	50V	CERAMIC	E
	C325	QCS21HJ-331	330PF	50V	CERAMIC	E
	C326	QCS21HJ-331	330PF	50V	CERAMIC	E
	C327	QCF21HP-223	0.022MF	50V	CERAMIC	
	C328	QCF21HP-223	0.022MF	50V	CERAMIC	
	C329	QCF21HP-223	0.022MF	50V	CERAMIC	
	C330	QCF21HP-223	0.022MF	50V	CERAMIC	
	C401	QFN81HK-103	0.01MF	50V	MYLAR	
	C402	QCF21HP-223	0.022MF	50V	CERAMIC	
	C403	QETB1HM-475	4.7MF	50V	ELECTRO	
	C421	QCS21HJ-331	330PF	50V	CERAMIC	
	C422	QCS21HJ-331	330PF	50V	CERAMIC	
	C423	QETB1AM-107	100MF	10V	ELECTRO	
	C424	QCF21HP-223	0.022MF	50V	CERAMIC	
	C425	QETB1HM-475	4.7MF	50V	ELECTRO	
	C426	QETB1HM-474	0.47MF	50V	ELECTRO	
	C427	QCY21HK-222	2200PF	50V	CERAMIC	
	C441	QETB0JM-477	470MF	6.3V	ELECTRO	
	C442	QCF21HP-223	0.022MF	50V	CERAMIC	
	C491	EEZ0502-479	47MF		ELECTRO	
	C492	QETB1HM-225	2.2MF	50V	ELECTRO	
	C493	QCF21HP-223	0.022MF	50V	CERAMIC	
	C494	QETB1AM-476	47MF	10V	ELECTRO	
	C495	QETB1HM-225	2.2MF	50V	ELECTRO	

MC-Service

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R301	QRD161J-222	2.2K	1/6W	CARBON	
	R302	QRD161J-222	2.2K	1/6W	CARBON	
	R303	QRD161J-473	47K	1/6W	CARBON	
	R304	QRD161J-473	47K	1/6W	CARBON	
	R305	QRD161J-511	510	1/6W	CARBON	
	R306	QRD161J-511	510	1/6W	CARBON	
	R307	QRD161J-393	39K	1/6W	CARBON	
	R308	QRD161J-393	39K	1/6W	CARBON	
	R309	QRD161J-474	470K	1/6W	CARBON	
	R310	QRD161J-474	470K	1/6W	CARBON	
	R311	QRD161J-104	100K	1/6W	CARBON	
	R312	QRD161J-104	100K	1/6W	CARBON	
	R313	QRD161J-221	220	1/6W	CARBON	
	R314	QRD161J-221	220	1/6W	CARBON	
	R315	QRD161J-221	220	1/6W	CARBON	
	R316	QRD161J-221	220	1/6W	CARBON	
	R317	QRD161J-221	220	1/6W	CARBON	
	R318	QRD161J-221	220	1/6W	CARBON	
	R319	QRD161J-221	220	1/6W	CARBON	
	R320	QRD161J-221	220	1/6W	CARBON	
	R321	QRD161J-221	220	1/6W	CARBON	
	R322	QRD161J-221	220	1/6W	CARBON	
	R401	QRD161J-273	27K	1/6W	CARBON	
	R402	QRD161J-121	120	1/6W	CARBON	
	R403	QRD161J-331	330	1/6W	CARBON	
	R421	QRD161J-105	1M	1/6W	CARBON	
	R422	QRD161J-222	2.2K	1/6W	CARBON	
	R423	QRD161J-473	47K	1/6W	CARBON	
	R424	QRD161J-103	10K	1/6W	CARBON	
	R425	QRD161J-471	470	1/6W	CARBON	
	R426	QRD161J-103	10K	1/6W	CARBON	
	R427	QRD161J-473	47K	1/6W	CARBON	
	R428	QRD161J-223	22K	1/6W	CARBON	
	R429	QRD161J-104	100K	1/6W	CARBON	
	R430	QRD161J-104	100K	1/6W	CARBON	
	R431	QRD161J-104	100K	1/6W	CARBON	
	R434	QRD161J-105	1M	1/6W	CARBON	
	R441	QRD161J-104	100K	1/6W	CARBON	
	R442	QRD161J-104	100K	1/6W	CARBON	
	R443	QRD161J-104	100K	1/6W	CARBON	
	R444	QRD161J-102	1K	1/6W	CARBON	
	R445	QRD161J-102	1K	1/6W	CARBON	
	R446	QRD161J-102	1K	1/6W	CARBON	
	R448	QRD161J-473	47K	1/6W	CARBON	
	R449	QRD161J-473	47K	1/6W	CARBON	
	R451	QRD161J-473	47K	1/6W	CARBON	
	R452	QRD161J-473	47K	1/6W	CARBON	
	R454	QRD161J-104	100K	1/6W	CARBON	
	R456	QRD161J-104	100K	1/6W	CARBON	
	R457	QRD161J-104	100K	1/6W	CARBON	
	R458	QRD161J-473	47K	1/6W	CARBON	
	R471	QRD161J-473	47K	1/6W	CARBON	
	R473	QRD161J-223	22K	1/6W	CARBON	
	R474	QRD161J-471	470	1/6W	CARBON	
	R475	QRD161J-103	10K	1/6W	CARBON	
	R476	QRD161J-473	47K	1/6W	CARBON	
	R477	QRD161J-223	22K	1/6W	CARBON	
	R491	QRD161J-472	4.7K	1/6W	CARBON	
	R492	QRD161J-102	1K	1/6W	CARBON	
	R493	QRD161J-473	47K	1/6W	CARBON	
	R494	QRD161J-223	22K	1/6W	CARBON	
	R495	QRD161J-473	47K	1/6W	CARBON	
	R496	QRD161J-222	2.2K	1/6W	CARBON	
	R497	QRD161J-331	330	1/6W	CARBON	
	R498	QRD161J-103	10K	1/6W	CARBON	
	R499	QRD161J-223	22K	1/6W	CARBON	

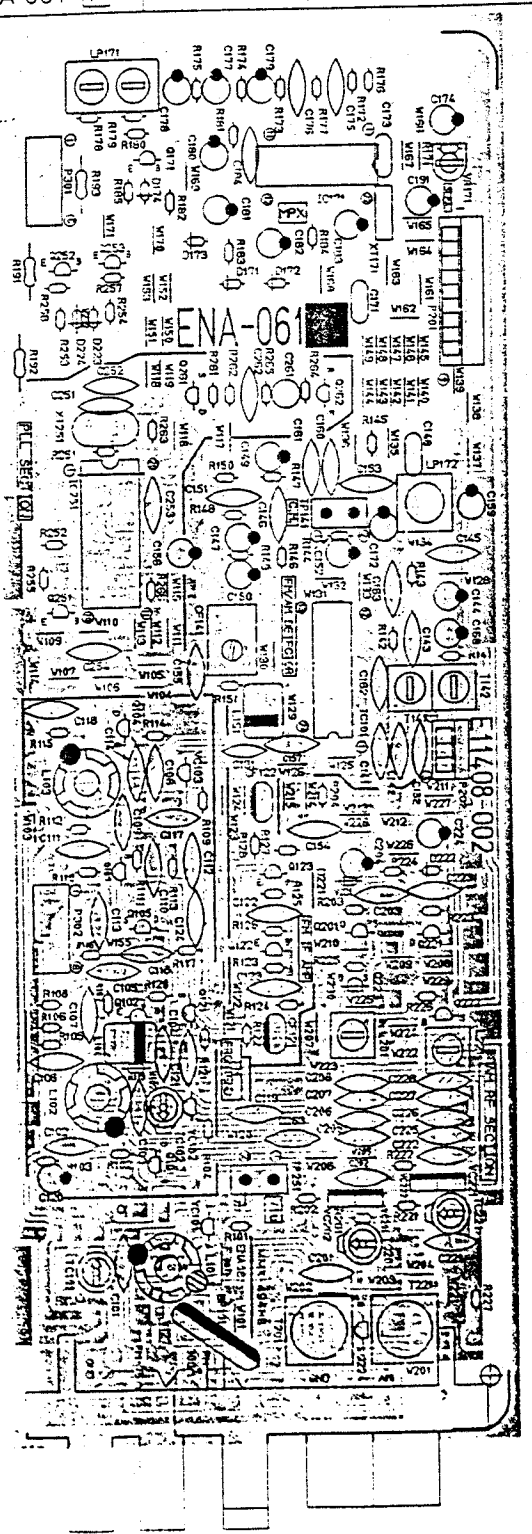
Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	J301	EMN00TV-405A	PIN JACK ASSY	
	J302	EMN00TV-402A	PIN JACK ASSY	
	J303	EMN00TV-405A	PIN JACK ASSY	
	LC401	ELU0002-031	LCD PANEL	
	LC421	ELU0002-030	LCD PANEL	
	P303	E04364-020A	SOCKET ASSY	
	P311	EMV7121-030	CONNECTOR	
	P420	QMV5004-003K	PLUG ASSY	
	P441	QMV5004-003K	PLUG ASSY	
	P481	QMV5004-003K	PULAG ASSY	
	XT421	ECX0000-400KS	CERA LOCK	
	XT441	ECX0072-000EM	RESONATOR	
		E11411-102	CIRCUIT BOARD	
		E45524-002	FUSE CLIP	
		E48269-001	SPACER	C
		E48269-001	SPACER	D
		E48269-001	SPACER	E

■ ENA-061 ☐ Tuner PC Board Ass'y

Note: ENA-061 ☐ varies according to the areas employed. See note (1) when placing an order.

PC Board Ass'y	Designated Areas
ENA-061 A	U.S.A. & Canada
ENA-061 B	U.S. Military Market & Other Countries
ENA-061 C	Australia
ENA-061 D	Europe
ENA-061 E	Europe & U.K. with LW
ENA-061 F	West Germany



Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q101	2SK606(G,R)	F.E.T		F
	Q101	2SK606(G,R,S)	F.E.T		A
	Q101	2SK606(G,R,S)	F.E.T		B
	Q101	2SK606(G,R,S)	F.E.T		C
	Q101	2SK606(G,R,S)	F.E.T		D
	Q101	2SK606(G,R,S)	F.E.T		E
	Q102	2SC535(B,C)	SILICON	HITACHI	
	Q103	2SC461(C)	SILICON	HITACHI	
	Q104	2SK606(G,R)	F.E.T		F
	Q104	2SK606(G,R,S)	F.E.T		A
	Q104	2SK606(G,R,S)	F.E.T		B
	Q104	2SK606(G,R,S)	F.E.T		C
	Q104	2SK606(G,R,S)	F.E.T		D
	Q104	2SK606(G,R,S)	F.E.T		E
	Q105	2SK606(G,R)	F.E.T		F
	Q121	2SC461(B,C)	SILICON	HITACHI	
	Q122	2SC535(B,C)	SILICON	HITACHI	
	Q123	2SC461(B,C)	SILICON	HITACHI	
	Q171	DTC114YN	SILICON	ROHM	
	Q201	2SK301(G,R)	F.E.T		
	Q221	2SK301(G,R)	F.E.T		A
	Q222	2SK301(P,Q)	F.E.T		B
	Q223	2SK301(P,Q)	F.E.T		C
	Q224	2SD1302(S,T)	SILICON		D
	Q251	2SA564A(R,S)	SILICON		E
	Q252	2SA564A(R,S)	SILICON		
	Q253	2SA564A(R,S)	SILICON		E
	Q261	2SK301(G1)	F.E.T		
	Q262	2SC458(D)	SILICON	HITACHI	

ICs

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC101	LA1266A	I.C.	SANYO	
	IC171	LA3401	I.C.	SANYO	
	IC251	LM7000N	I.C.	SANYO	

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	D171	1SS119	SILICON	HITACHI	
	D172	1SS119	SILICON	HITACHI	
	D173	1SS119	SILICON	HITACHI	
	D174	1SS119	SILICON	HITACHI	
	D221	1SS119	SILICON	HITACHI	E
	D222	1SS119	SILICON	HITACHI	E
	D223	1SS119	SILICON	HITACHI	E
	D224	1SS119	SILICON	HITACHI	E
	VC101	SVC232(AB)	VALICAP	SANYO	
	VC102	SVC232(AB)	VALICAP	SANYO	

△	Item No.	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-RX550VBKJ	Front Panel Ass'y	1		J,C
		EFP-RX550VBKE	Front Panel Ass'y	1		U,P,PG,E,A,G
		EFP-RX550VLBKE	Front Panel Ass'y	1		LE,LBS
	1-1	E25565-001	Front Panel	1		J,C
		E25565-002	Front Panel	1		U,P,PG,E,A,G
		E25565-003	Front Panel	1		LE,LBS
	1-2	E304582-001	Side Fitting	1		
	1-3	E304582-002	Side Fitting	1		
	1-4	E25567-001	Window Screen	1		
	1-5	E11422-001	LCD Escutcheon	1		
	1-6	E72436-006	Sheet	1		
	1-7	E72437-006	Sheet	1		
	1-8	E72808-001	Push Button	1		
	1-9	E304578-001	Preset Knob Ass'y	1		J,C
		E304578-002	Preset Knob Ass'y	1		Except J,C
	1-10	E304580-001	Source Knob Ass'y	1		Except LE,LBS
		E304580-002	Source Knob Ass'y	1		LE,LBS
	1-11	E25571-001	Push Button	1		
	1-12	E73522-001	Indicator	1		
	1-13	B60912-003	Speed Nut	1		
	1-14	E72968-001	JVC Mark	1		
	2	E48729-009	Plastic Rivet	3		
	3	EX0078006N25S02	Spacer	2		
	4	SBSE3008M	Screw	5		
	5	E73005-003	Sheet	1		
	6	E304588-001	Lamp Holder	1		
	7	ELP4101-003	Fuse Lamp	3		
	8	E48729-008	Plastic Rivet	8		
	9	E25573-001	Metal Cover	1		Except E,LE,LBS
		E25574-001	Metal Cover	1		E,LE,LBS
	10	E23862-005	Grill	1		E,LE,LBS
	11	B61660-004	Screw	4		
	12	E73005-002	Sheet	1		
	13	E304587-001	Lamp Holder	1		
	14	E73862-001	Stay Bracket	1		
	15	SBSE3008CC	Screw	24		
	16	E73863-001	Stay Bracket	1		
	17	E48729-007	Plastic Rivet	2		LBS
	18	E73864-001	Headphone Bracket	1		
	19	E72790-001	Push Knob	2		
	20	SBST3006CC	Screw	2		
	21	E11423-001	Front Bracket	1		
	22	E304584-001	Side Bracket	1		
	23	E304585-001	Center Bracket	1		
	24	E304583-001	Side Bracket	1		
	25	E11424-001	Bottom Plate	1		
	26	E47227-020	Foot	4		
	27	E73937-001	Protect Sheet	1		
	28	E25572-001	Transf. Bracket	1		
	29	E49383-002	Fastener	1		
△	30	ETP1150-19JA	Power Transformer	1		J
△		ETP1150-19CA	Power Transformer	1		C
△		ETP1150-19EA	Power Transformer	1		E,LE,A,G
△		ETP1150-19FA	Power Transformer	1		U,P,PG
△		ETP1150-19EABS	Power Transformer	1		LBS
	31	B65389-004	Screw	4		
△	32	QMF51U1-5R0S	Fuse	1	F001	J,C
△		QMF51A2-2R5S	Fuse	1	F001	E,LE,A,G
△		QMF51E2-2R5SBS	Fuse	1	F001	LBS
△	33	QMF51A2-R10S	Fuse	1	F002	E,LE,A,G
△		QMF51E2-R10SBS	Fuse	1	F002	LBS
	34	E304654-001	Primary Cover	1		E,LE,A,G,LBS
	35	E302321-001	Fastener	2		E,LE,A,G,LBS
	36	E302764-001	Voltage Selector Cover	1		U,P,PG
△	37	QSR0085-008U	Voltage Selector	1		U,P,PG
	38	EX0085010R10S	Spacer	2		
	39	B69589-008	Spacer	1		J
	40	E25575-001	Rear Panel	1	DOM	J,C
		E25575-002	Rear Panel	1	DOM	U,P,PG
		E25575-003	Rear Panel	1	DOM	E,LE

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	VC103	SVC202(AB)	VALICAP	SANYO	
	VC201	KV1236Z	VALICAP	TOKO	
	VC202	KV1236Z	VALICAP	TOKO	
	VC221	KV1236Z	VALICAP	TOKO	E
	VC222	KV1236Z	VALICAP	TOKO	E

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C101	QCS21HJ-3R0	3.0PF	50V	CERAMIC	F
	C102	QCF21HP-102	1000PF	50V	CERAMIC	
	C103	QCS21HJ-5R0	5.0PF	50V	CERAMIC	
	C104	QCS21HJ-2R0	2.0PF	50V	CERAMIC	
	C104	QCS21HJ-2R0	2.0PF	50V	CERAMIC	A B
	C104	QCS21HJ-2R0	2.0PF	50V	CERAMIC	C
	C104	QCS21HJ-2R0	2.0PF	50V	CERAMIC	D
	C104	QCS21HJ-2R0	2.0PF	50V	CERAMIC	E
	C104	QCS21HJ-3R0	3.0PF	50V	CERAMIC	F
	C105	QCS21HJ-2R0	2.0PF	50V	CERAMIC	A
	C105	QCS21HJ-2R0	2.0PF	50V	CERAMIC	B
	C105	QCS21HJ-2R0	2.0PF	50V	CERAMIC	C
	C105	QCS21HJ-2R0	2.0PF	50V	CERAMIC	D
	C105	QCS21HJ-2R0	2.0PF	50V	CERAMIC	E
	C106	QCS21HJ-151	150PF	50V	CERAMIC	
	C107	QCF21HP-103	0.01MF	50V	CERAMIC	
	C108	QCT26TH-100	10PF	50V	CERAMIC	
	C109	QCT26CH-7R0	7.0PF	50V	CERAMIC	
	C110	QCT26CH-220	22PF	50V	CERAMIC	
	C111	QCF21HP-103	0.01MF	50V	CERAMIC	
	C112	QCT26CH-100	10PF	50V	CERAMIC	
	C113	QCS21HJ-2R0	2.0PF	50V	CERAMIC	A
	C113	QCS21HJ-2R0	2.0PF	50V	CERAMIC	B
	C113	QCS21HJ-2R0	2.0PF	50V	CERAMIC	C
	C113	QCS21HJ-2R0	2.0PF	50V	CERAMIC	D
	C113	QCS21HJ-2R0	2.0PF	50V	CERAMIC	E
	C113	QCT26CH-2R0	2.0PF	50V	CERAMIC	F
	C114	QCT26CH-2R0	2.0PF	50V	CERAMIC	
	C116	QCS21HJ-3R0	3.0PF	50V	CERAMIC	
	C117	QCC21EM-473	0.047MF	25V	CERAMIC	F
	C118	QCF21HP-103	0.01MF	50V	CERAMIC	
	C119	QCS21HJ-101	100PF	50V	CERAMIC	F
	C120	QETB1EM-226	22MF	25V	ELECTRO	
	C121	QCS21HJ-220	22PF	50V	CERAMIC	
	C122	QCF21HP-223	0.022MF	50V	CERAMIC	
	C123	QCF21HP-223	0.022MF	50V	CERAMIC	
	C131	QCS21HJ-101	100PF	50V	CERAMIC	
	C141	QCF21HP-223	0.022MF	50V	CERAMIC	
	C142	QCC21EM-223	0.022MF	25V	CERAMIC	
	C143	QCF21HP-223	0.022MF	50V	CERAMIC	
	C144	QETB1HM-105	1MF	50V	ELECTRO	
	C145	QCS21HJ-101	100PF	50V	CERAMIC	C
	C145	QCS21HJ-101	100PF	50V	CERAMIC	D
	C145	QCS21HJ-101	100PF	50V	CERAMIC	E
	C145	QCS21HJ-101	100PF	50V	CERAMIC	F
	C145	QCS21HJ-221	220PF	50V	CERAMIC	A
	C145	QCS21HJ-221	220PF	50V	CERAMIC	B
	C146	QCF21HP-223	0.022MF	50V	CERAMIC	
	C147	QETB1HM-225	2.2MF	50V	ELECTRO	
	C148	QFN81HK-332	3300PF	50V	MYLAR	
	C149	QETB1HM-225	2.2MF	50V	ELECTRO	
	C150	QETB1HM-475	4.7MF	50V	ELECTRO	
	C151	QCF21HP-223	0.022MF	50V	CERAMIC	
	C152	QETB1EM-106	10MF	25V	ELECTRO	
	C153	QCF21HP-223	0.022MF	50V	CERAMIC	
	C154	QCF21HP-223	0.022MF	50V	CERAMIC	
	C155	QCF21HP-223	0.022MF	50V	CERAMIC	
	C156	QETB1EM-106	10MF	25V	ELECTRO	
	C157	QCY21HK-102	1000PF	50V	CERAMIC	

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C158	QETB1EM-226	22MF	25V	ELECTRO	
	C159	QETB1HM-475	4.7MF	50V	ELECTRO	
	C160	QCS21HJ-101	100PF	50V	CERAMIC	
	C161	QCS21HJ-101	100PF	50V	CERAMIC	
	C162	QCC21EM-223	0.022MF	25V	CERAMIC	
	C163	QCF21HP-223	0.022MF	50V	CERAMIC	
	C171	QFN81HK-223	0.022MF	50V	MYLAR	C
	C171	QFN81HK-223	0.022MF	50V	MYLAR	D
	C171	QFN81HK-223	0.022MF	50V	MYLAR	E
	C171	QFN81HK-223	0.022MF	50V	MYLAR	F
	C171	QFN81HK-333	0.033MF	50V	MYLAR	A
	C171	QFN81HK-333	0.033MF	50V	MYLAR	B
	C172	QETB1EM-106	10MF	25V	ELECTRO	
	C173	QFN81HK-473	0.047MF	50V	MYLAR	
	C174	QETB1EM-106	10MF	25V	ELECTRO	
	C175	QCS21HJ-271	270PF	50V	CERAMIC	
	C175	QCS21HJ-271	270PF	50V	CERAMIC	C
	C175	QCS21HJ-271	270PF	50V	CERAMIC	D
	C175	QCS21HJ-271	270PF	50V	CERAMIC	E
	C175	QCS21HJ-561	560PF	50V	CERAMIC	F
	C175	QCS21HJ-561	560PF	50V	CERAMIC	A
	C176	QCS21HJ-271	270PF	50V	CERAMIC	B
	C176	QCS21HJ-271	270PF	50V	CERAMIC	C
	C176	QCS21HJ-271	270PF	50V	CERAMIC	D
	C176	QCS21HJ-271	270PF	50V	CERAMIC	E
	C176	QCS21HJ-271	270PF	50V	CERAMIC	F
	C176	QCS21HJ-561	560PF	50V	CERAMIC	
	C176	QCS21HJ-561	560PF	50V	CERAMIC	A
	C177	QETB1HM-225	2.2MF	50V	ELECTRO	B
	C178	QETB1HM-225	2.2MF	50V	ELECTRO	
	C179	QETB1HM-225	2.2MF	50V	ELECTRO	
	C180	QETB1HM-105	1MF	50V	ELECTRO	
	C181	QETB1HM-105	1MF	50V	ELECTRO	
	C182	QETB1HM-474	0.47MF	50V	ELECTRO	
	C183	QETB1HM-225	2.2MF	50V	ELECTRO	
	C184	QCY21HK-102	1000PF	50V	CERAMIC	
	C191	QETB1EM-226	22MF	25V	ELECTRO	
	C202	QCC21EM-223	0.022MF	25V	CERAMIC	
	C203	QCS21HJ-561	560PF	50V	CERAMIC	
	C204	QETB1EM-226	22MF	25V	ELECTRO	
	C205	QCT26CH-100	10PF	50V	CERAMIC	
	C206	QCT26CH-100	10PF	50V	CERAMIC	
	C207	QCT26CH-221	220PF	50V	CERAMIC	
	C208	QCT26CH-271	270PF	50V	CERAMIC	
	C221	QCS21HJ-330	33PF	50V	CERAMIC	E
	C222	QCC21EM-473	0.047MF	25V	CERAMIC	E
	C223	QCF21HP-103	0.01MF	50V	CERAMIC	E
	C224	QETB1EM-226	22MF	25V	ELECTRO	E
	C225	QCT26CH-680	68PF	50V	CERAMIC	E
	C226	QCT26CH-7R0	7.0PF	50V	CERAMIC	E
	C227	QCT26CH-150	15PF	50V	CERAMIC	E
	C228	QCT26CH-151	150PF	50V	CERAMIC	E
	C251	QCS21HJ-180	18PF	50V	CERAMIC	
	C252	QCS21HJ-180	18PF	50V	CERAMIC	
	C253	QCC21EM-473	0.047MF	25V	CERAMIC	
	C254	QCF21HP-103	0.01MF	50V	CERAMIC	
	C261	QEN51HM-474	0.47MF	50V	NON POLE	
	C262	QCY21HK-102	1000PF	50V	CERAMIC	
	C263	QCF21HP-223	0.022MF	50V	CERAMIC	
	TC101	ENZ1003-003			TRIMMER	
	TC102	ENZ1003-003			TRIMMER	
	TC201	ENZ1003-006			TRIMMER	
	TC221	ENZ1003-006			TRIMMER	E

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R101	QRD161J-473	47K	1/6W	CARBON	
	R102	QRD161J-330	33	1/6W	CARBON	
	R103	QRD161J-221	220	1/6W	CARBON	
	R104	QRD161J-473	47K	1/6W	CARBON	
	R105	QRD161J-332	3.3K	1/6W	CARBON	
	R106	QRD161J-223	22K	1/6W	CARBON	
	R107	QRD161J-102	1K	1/6W	CARBON	
	R108	QRD161J-102	1K	1/6W	CARBON	
	R109	QRD161J-562	5.6K	1/6W	CARBON	
	R110	QRD161J-561	560	1/6W	CARBON	
	R111	QRD161J-103	10K	1/6W	CARBON	
	R112	QRD161J-682	6.8K	1/6W	CARBON	
	R113	QRD161J-222	2.2K	1/6W	CARBON	
	R114	QRD161J-224	220K	1/6W	CARBON	
	R115	QRD161J-331	330	1/6W	CARBON	
	R116	QRD161J-224	220K	1/6W	CARBON	F
	R117	QRD161J-331	330	1/6W	CARBON	F
	R120	QRD161J-331	330	1/6W	CARBON	
	R121	QRD161J-332	3.3K	1/6W	CARBON	
	R122	QRD161J-221	220	1/6W	CARBON	
	R123	QRD161J-272	2.7K	1/6W	CARBON	
	R124	QRD161J-391	390	1/6W	CARBON	
	R125	QRD161J-102	1K	1/6W	CARBON	
	R126	QRD161J-681	680	1/6W	CARBON	
	R127	QRD161J-332	3.3K	1/6W	CARBON	
	R128	QRD161J-221	220	1/6W	CARBON	
	R141	QRD161J-322	3.2K	1/6W	CARBON	
	R142	QRD161J-102	1K	1/6W	CARBON	
	R143	QRD161J-183	18K	1/6W	CARBON	A
	R143	QRD161J-333	33K	1/6W	CARBON	B
	R143	QRD161J-333	33K	1/6W	CARBON	C
	R143	QRD161J-333	33K	1/6W	CARBON	D
	R143	QRD161J-333	33K	1/6W	CARBON	E
	R143	QRD161J-333	33K	1/6W	CARBON	F
	R144	QRD161J-561	560	1/6W	CARBON	
	R145	QRD161J-103	10K	1/6W	CARBON	A
	R145	QRD161J-103	10K	1/6W	CARBON	B
	R145	QRD161J-333	33K	1/6W	CARBON	C
	R145	QRD161J-333	33K	1/6W	CARBON	D
	R145	QRD161J-333	33K	1/6W	CARBON	E
	R145	QRD161J-333	33K	1/6W	CARBON	F
	R146	QRD161J-221	220	1/6W	CARBON	
	R147	QRD161J-103	10K	1/6W	CARBON	
	R148	QRD161J-223	22K	1/6W	CARBON	
	R149	QRD161J-473	47K	1/6W	CARBON	
	R150	QRD161J-103	10K	1/6W	CARBON	
	R151	QRD161J-334	330K	1/6W	CARBON	
	R171	QRD161J-333	33K	1/6W	CARBON	A
	R171	QRD161J-393	39K	1/6W	CARBON	B
	R172	QRD161J-124	120K	1/6W	CARBON	A
	R172	QRD161J-124	120K	1/6W	CARBON	B
	R172	QRD161J-184	180K	1/6W	CARBON	C
	R172	QRD161J-184	180K	1/6W	CARBON	D
	R172	QRD161J-184	180K	1/6W	CARBON	E
	R172	QRD161J-184	180K	1/6W	CARBON	F
	R173	QRD161J-124	120K	1/6W	CARBON	A
	R173	QRD161J-124	120K	1/6W	CARBON	B
	R173	QRD161J-184	180K	1/6W	CARBON	C
	R173	QRD161J-184	180K	1/6W	CARBON	D
	R173	QRD161J-184	180K	1/6W	CARBON	E
	R173	QRD161J-184	180K	1/6W	CARBON	F
	R174	QRD161J-332	3.3K	1/6W	CARBON	
	R175	QRD161J-332	3.3K	1/6W	CARBON	
	R176	QRD161J-184	180K	1/6W	CARBON	A
	R176	QRD161J-184	180K	1/6W	CARBON	B
	R176	QRD161J-274	270K	1/6W	CARBON	C
	R176	QRD161J-274	270K	1/6W	CARBON	D
	R176	QRD161J-274	270K	1/6W	CARBON	E
	R176	QRD161J-274	270K	1/6W	CARBON	F
	R177	QRD161J-184	180K	1/6W	CARBON	A

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R177	QRD161J-184	180K	1/6W	CARBON	B
	R177	QRD161J-274	270K	1/6W	CARBON	C
	R177	QRD161J-274	270K	1/6W	CARBON	D
	R177	QRD161J-274	270K	1/6W	CARBON	E
	R177	QRD161J-274	270K	1/6W	CARBON	F
	R178	QRD161J-682	6.8K	1/6W	CARBON	
	R179	QRD161J-682	6.8K	1/6W	CARBON	
	R180	QRD161J-103	10K	1/6W	CARBON	
	R181	QRD161J-103	10K	1/6W	CARBON	
	R182	QRD161J-103	10K	1/6W	CARBON	
	R183	QRD161J-103	10K	1/6W	CARBON	
	R184	QRD161J-562	5.6K	1/6W	CARBON	
	R185	QRD161J-562	5.6K	1/6W	CARBON	
⚠	R191	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R191	QRD145J-680S	68	1/4W	UNF.CARBON	B
⚠	R191	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R191	QRZ0062-680	68	1/4W	FUSIBLE	D
⚠	R191	QRZ0062-680	68	1/4W	FUSIBLE	E
⚠	R191	QRZ0062-680	68	1/4W	FUSIBLE	F
⚠	R192	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R192	QRD145J-680S	68	1/4W	UNF.CARBON	B
⚠	R192	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R192	QRZ0062-680	68	1/4W	FUSIBLE	D
⚠	R192	QRZ0062-680	68	1/4W	FUSIBLE	E
⚠	R192	QRZ0062-680	68	1/4W	FUSIBLE	F
⚠	R193	QRD145J-680S	68	1/4W	UNF.CARBON	A
⚠	R193	QRD145J-680S	68	1/4W	UNF.CARBON	B
⚠	R193	QRZ0062-680	68	1/4W	FUSIBLE	C
⚠	R193	QRZ0062-680	68	1/4W	FUSIBLE	D
⚠	R193	QRZ0062-680	68	1/4W	FUSIBLE	E
⚠	R193	QRZ0062-680	68	1/4W	FUSIBLE	F
	R201	QRD161J-103	10K	1/6W	CARBON	
	R202	QRD161J-473	47K	1/6W	CARBON	
	R203	QRD161J-331	330	1/6W	CARBON	
	R204	QRD161J-100	10	1/6W	CARBON	
	R221	QRD161J-103	10K	1/6W	CARBON	E
	R222	QRD161J-473	47K	1/6W	CARBON	E
	R223	QRD161J-331	330	1/6W	CARBON	E
	R224	QRD161J-103	10K	1/6W	CARBON	E
	R225	QRD161J-103	10K	1/6W	CARBON	E
	R226	QRD161J-103	10K	1/6W	CARBON	E
	R227	QRD161J-472	4.7K	1/6W	CARBON	E
	R251	QRD161J-473	47K	1/6W	CARBON	
	R252	QRD161J-103	10K	1/6W	CARBON	
	R253	QRD161J-103	10K	1/6W	CARBON	
	R254	QRD161J-103	10K	1/6W	CARBON	E
	R255	QRD161J-473	47K	1/6W	CARBON	
	R256	QRD161J-473	47K	1/6W	CARBON	
	R257	QRD161J-473	47K	1/6W	CARBON	E
	R261	QRD161J-222	2.2K	1/6W	CARBON	
	R262	QRD161J-271	270	1/6W	CARBON	A
	R263	QRD161J-103	10K	1/6W	CARBON	B
	R263	QRD161J-103	10K	1/6W	CARBON	C
	R263	QRD161J-103	10K	1/6W	CARBON	D
	R263	QRD161J-103	10K	1/6W	CARBON	E
	R263	QRD161J-222	2.2K	1/6W	CARBON	F
	R263	QRD161J-222	2.2K	1/6W	CARBON	
	R264	QRD161J-472	4.7K	1/6W	CARBON	
	R265	QRD161J-332	3.3K	1/6W	CARBON	A
	R265	QRD161J-332	3.3K	1/6W	CARBON	B
	R265	QRD161J-332	3.3K	1/6W	CARBON	C
	R265	QRD161J-332	3.3K	1/6W	CARBON	D
	R265	QRD161J-822	8.2K	1/6W	CARBON	E
	R265	QRD161J-822	8.2K	1/6W	CARBON	F
	R266	QRD161J-222	2.2K	1/6W	CARBON	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	VR171	QVZ3518-104	VARIABLE	C
	VR171	QVZ3518-104	VARIABLE	D
	VR171	QVZ3518-104	VARIABLE	E
	VR171	QVZ3518-104	VARIABLE	F

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	BP101	EQF0201-006	FILTER	F
	CF121	ECB2118-001R	CERAMIC FILTER	C
	CF121	ECB2118-001R	CERAMIC FILTER	D
	CF121	ECB2118-001R	CERAMIC FILTER	E
	CF121	ECB2118-001R	CERAMIC FILTER	F
	CF121	ECB2123-001R	CERAMIC FILTER	A
	CF121	ECB2123-001R	CERAMIC FILTER	B
	CF122	ECB2118-001R	CERAMIC FILTER	C
	CF122	ECB2118-001R	CERAMIC FILTER	D
	CF122	ECB2118-001R	CERAMIC FILTER	E
	CF122	ECB2118-001R	CERAMIC FILTER	F
	CF122	ECB2123-001R	CERAMIC FILTER	A
	CF122	ECB2123-001R	CERAMIC FILTER	B
	CF141	ECB1560-006	CERAMIC FILTER	
	L101	EQR2306-014	RF COIL	A
	L101	EQR2306-014	RF COIL	B
	L101	EQR2306-014	RF COIL	C
	L101	EQR2306-014	RF COIL	D
	L101	EQR2306-014	RF COIL	E
	L101	EQR2306-016	RF COIL	F
	L102	EQR2106-014	RF COIL	
	L103	EQR2406-004	RF COIL	
	L104	EQL3001-1R5KY	INDUCTOR	
	L151	EQL3001-101KY	INDUCTOR	
	L151	EQL3001-101KY	INDUCTOR	A
	L151	EQL3001-101KY	INDUCTOR	B

Others

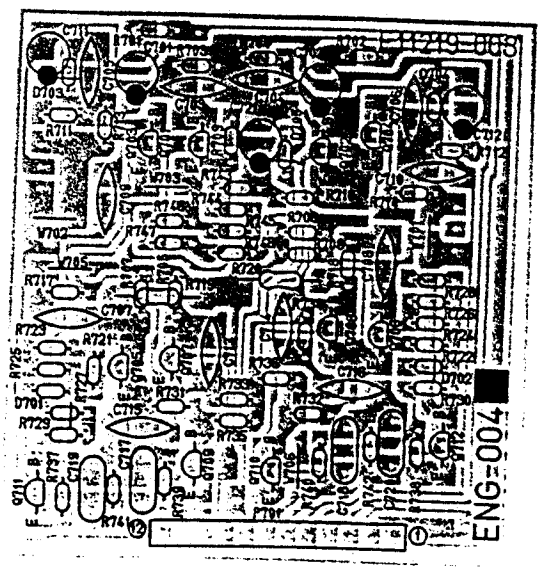
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	L151	EQL3001-101KY	INDUCTOR	C
	L151	EQL3001-101KY	INDUCTOR	D
	L151	EQL3001-102KY	INDUCTOR	E
	L151	EQL3001-102KY	INDUCTOR	F
	L201	EQR1207-009	RF COIL	
	L221	EQR1307-002	RF COIL	E
	LP171	EQF0101-002	FILTER	
	LP172	EQF0102-001	FILTER	F
	P201	EMV7112-009	SOCKET	
	P202	EMV7112-003	SOCKET	
	P301	E04364-006A	6P SOCKET ASSY	
	P302	E04364-006A	6P SOCKET ASSY	
	T141	EQT2140-012	I.F.TRANSFORMER	
	T142	EQT2140-013	I.F.TRANSFORMER	
	T201	EQR1111-006	RF COIL	
	T221	EQR1111-005	RF COIL	E
	TP141	E67764-002	TERMINAL ASSY	
	TP251	E67764-002	TERMINAL ASSY	
	XT171	ECX0000-456KR	RESONATOR	
	XT251	ECX0007-200KC	X'TAL	
		E11403-002	CIRCUIT BOARD	
		E30464S-001	SHIELD CASE	
		EMB41YV-301K	ANTENNA TERMIANL	F
		EMB41YV-501K	ANTENNA TERMINAL	E

■ ENG-004 ☐ Pre-Drive PC Board Ass'y

Note: ENG-004 ☐ varies according to the areas employed. See note (1) when placing an order.

PC Board Ass'y	Designated Areas
ENG-004 G	U.S.A., Canada, U.S. Military Market & Other Countries
ENG-004 H	Europe & Australia
ENG-004 I	West Germany

MC-Service



Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q701	2SC2240(A,B)	SILICON		
	Q702	2SC2240(A,B)	SILICON		
	Q703	2SC2240(A,B)	SILICON		
	Q704	2SC2240(A,B)	SILICON		
	Q705	2SA1038(S,E)	SILICON	ROHM	
	Q706	2SA1038(S,E)	SILICON	ROHM	
	Q707	2SA933LN(R,S)	SILICON	ROHM	
	Q708	2SA933LN(R,S)	SILICON	ROHM	
	Q709	2SA1038(S,E)	SILICON	ROHM	
	Q710	2SA1038(S,E)	SILICON	ROHM	
	Q711	2SC2389(S,E)	SILICON	ROHM	
	Q712	2SC2389(S,E)	SILICON	ROHM	

Diodes

ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
D701	1SS133	SILICON	ROHM	
D702	1SS133	SILICON	ROHM	
D703	1SS133	SILICON	ROHM	H
D703	1SS133	SILICON	ROHM	I
D704	1SS133	SILICON	ROHM	H
D704	1SS133	SILICON	ROHM	I
D705	MTZ22JC	ZENER	ROHM	

Capacitors

ITEM	PART NUMBER	DESCRIPTION			AREA
C701	QETB1HM-475	4.7MF	50V	ELECTRO	
C702	QETB1HM-475	4.7MF	50V	ELECTRO	
C703	QCS21HJ-271	270PF	50V	CERAMIC	
C704	QCS21HJ-271	270PF	50V	CERAMIC	
C705	QCS21HJ-101	100PF	50V	CERAMIC	
C706	QCS21HJ-101	100PF	50V	CERAMIC	
C707	QCF21HK-332	3300PF	50V	CERAMIC	
C708	QCF21HK-332	3300PF	50V	CERAMIC	
C709	QCS21HJ-7R0	7.0PF	50V	CERAMIC	
C710	QCS21HJ-7R0	7.0PF	50V	CERAMIC	
C711	QETB1CM-476	47MF	16V	ELECTRO	
C712	QETB1CM-476	47MF	16V	ELECTRO	
C713	QCS21HJ-220	22PF	50V	CERAMIC	
C714	QCS21HJ-220	22PF	50V	CERAMIC	
C715	QCS21HJ-121	120PF	50V	CERAMIC	
C716	QCS21HJ-121	120PF	50V	CERAMIC	
C717	QFN81HJ-822	8200PF	50V	MYLAR	
C718	QFN81HJ-822	8200PF	50V	MYLAR	
C719	QFN81HJ-822	8200PF	50V	MYLAR	
C720	QFN81HJ-822	8200PF	50V	MYLAR	
C721	QETB1EM-106	10MF	25V	ELECTRO	

Resistors

ITEM	PART NUMBER	DESCRIPTION			AREA
R701	QRD161J-222	2.2K	1/6W	CARBON	
R702	QRD161J-222	2.2K	1/6W	CARBON	
R703	QRD161J-104	100K	1/6W	CARBON	
R704	QRD161J-104	100K	1/6W	CARBON	
R705	QRD161J-202	2K	1/6W	CARBON	
R706	QRD161J-202	2K	1/6W	CARBON	
R707	QRD161J-202	2K	1/6W	CARBON	
R708	QRD161J-202	2K	1/6W	CARBON	
R709	QRD161J-103	10K	1/6W	CARBON	
R710	QRD161J-103	10K	1/6W	CARBON	
R711	QRD161J-202	2K	1/6W	CARBON	
R712	QRD161J-202	2K	1/6W	CARBON	
R713	QRD161J-104	100K	1/6W	CARBON	
R714	QRD161J-104	100K	1/6W	CARBON	
R717	QRD161J-101	100	1/6W	CARBON	
R718	QRD161J-101	100	1/6W	CARBON	
R719	QRD145J-121S	120	1/4W	UNF.CARBON	
R720	QRD145J-121S	120	1/4W	UNF.CARBON	
R723	QRD144J-472S	4.7K	1/4W	CARBON	
R724	QRD144J-472S	4.7K	1/4W	CARBON	
R727	QRD144J-472S	4.7K	1/4W	CARBON	
R728	QRD144J-472S	4.7K	1/4W	CARBON	
R729	QRD161J-391	390	1/6W	CARBON	
R730	QRD161J-391	390	1/6W	CARBON	
R731	QRD161J-152	1.5K	1/6W	CARBON	
R732	QRD161J-152	1.5K	1/6W	CARBON	
R733	QRD161J-152	1.5K	1/6W	CARBON	
R734	QRD161J-152	1.5K	1/6W	CARBON	
R735	QRD161J-333	33K	1/6W	CARBON	
R736	QRD161J-333	33K	1/6W	CARBON	

Resistors

ITEM	PART NUMBER	DESCRIPTION			AREA
R737	QRD161J-391	390	1/6W	CARBON	
R738	QRD161J-391	390	1/6W	CARBON	
R739	QRD161J-682	6.8K	1/6W	CARBON	
R740	QRD161J-682	6.8K	1/6W	CARBON	
R741	QRD161J-682	6.8K	1/6W	CARBON	
R742	QRD161J-682	6.8K	1/6W	CARBON	
R743	QRD161J-511	510	1/6W	CARBON	
R744	QRD161J-511	510	1/6W	CARBON	
R745	QRD125J-182	1.8K	1/2W	UNF.CARBON	
R747	QRD161J-511	510	1/6W	CARBON	
R746	QRD161J-511	510	1/6W	CARBON	G
R748	QRD161J-511	510	1/6W	CARBON	H
R748	QRD161J-511	510	1/6W	CARBON	I

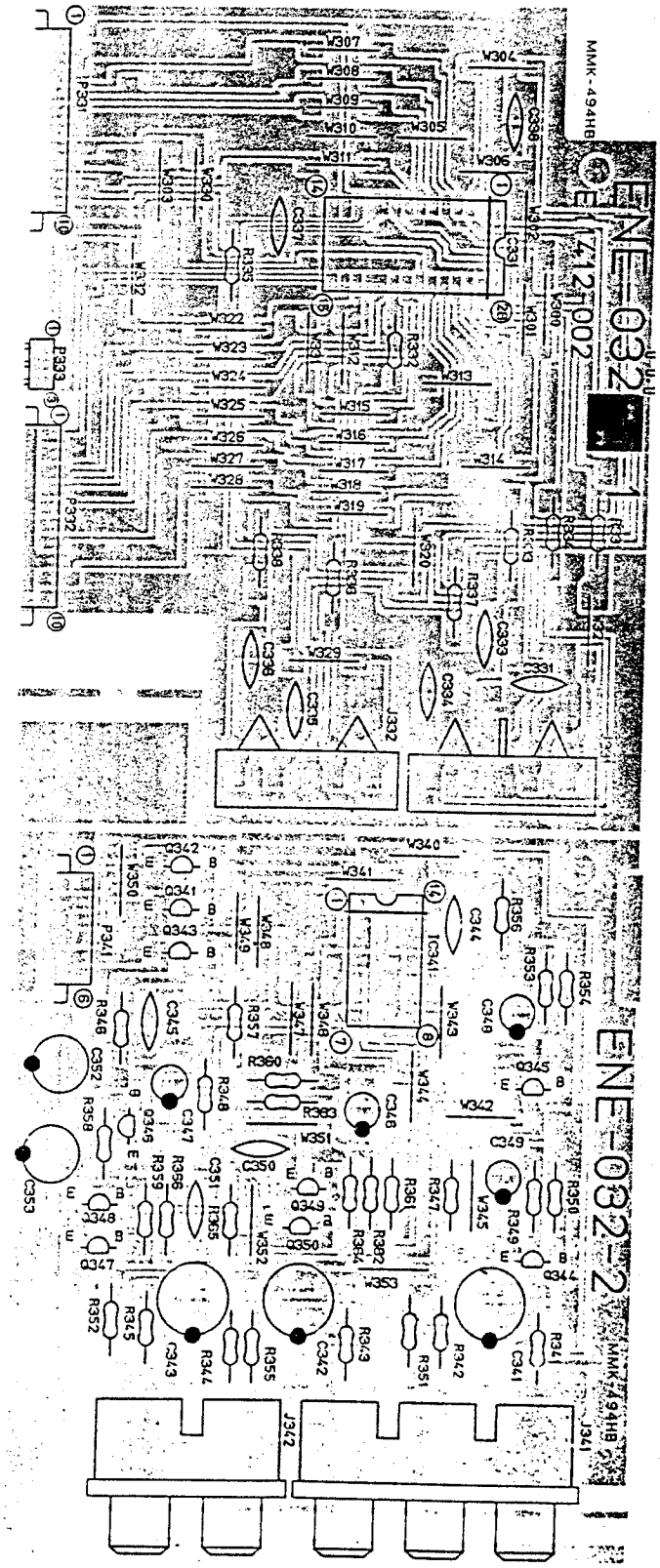
Others

ITEM	PART NUMBER	DESCRIPTION	AREA
P701	EMV5101-012B	PLUG ASSY	
	E11219-003	CIRCUIT BOARD	

■ ENE-032 ☐ Video Switch PC Board Ass'y

Note: ENH-032 ☐ varies according to the areas employed. See note (1) when placing an order.

PC Board Ass'y	Designated Areas
ENE-032 [A]	U.S.A., Canada, Europe, U.K., Australia, U.S. Military Market & Other Countries
ENE-032 [B]	West Germany



Transistors

△	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	Q341	DTA114YN	SILICON	ROHM	
	Q342	DTC144EN	SILICON	ROHM	
	Q343	DTC144EN	SILICON	ROHM	
	Q344	2SC453(C,D)	SILICON	HITACHI	
	Q345	2SC458(C,D)	SILICON	HITACHI	
	Q346	2SC458(C,D)	SILICON	HITACHI	
	Q347	2SC458(C,D)	SILICON	HITACHI	
	Q348	2SC458(C,D)	SIL'CON	HITACHI	
	Q349	2SC458(C,D)	SILICON	HITACHI	
	Q350	2SC458(C,D)	SILICON	HITACHI	

ICs

△	ITEM	PART NUMBER	DESCRIPTION	MAKER	AREA
	IC331	TC9162N	I.C.		
	IC341	LC4966	I.C.	SANYO	

Capacitors

△	ITEM	PART NUMBER	DESCRIPTION			AREA
	C331	QCF21HP-223	0.022MF	50V	CERAMIC	
	C333	QCS21HJ-331	330PF	50V	CERAMIC	B
	C334	QCS21HJ-331	330PF	50V	CERAMIC	B
	C335	QCS21HJ-331	330PF	50V	CERAMIC	B
	C336	QCS21HJ-331	330PF	50V	CERAMIC	B
	C337	QCF21HP-223	0.022MF	50V	CERAMIC	
	C338	QCF21HP-223	0.022MF	50V	CERAMIC	
	C341	QETB0JM-108	1000MF	6.3V	ELECTRO	
	C342	QETB0JM-108	1000MF	6.3V	ELECTRO	
	C343	QETB0JM-108	1000MF	6.3V	ELECTRO	
	C344	QCY21HK-102	1000PF	50V	CERAMIC	
	C345	QCF21HP-223	0.022MF	50V	CERAMIC	
	C346	QETB1CM-476	47MF	16V	ELECTRO	
	C347	QETB1CM-476	47MF	16V	ELECTRO	
	C348	QETB1CM-476	47MF	16V	ELECTRO	
	C349	QETB1CM-476	47MF	16V	ELECTRO	
	C350	QCS21HJ-391	390PF	50V	CERAMIC	
	C352	QETB1CM-477	470MF	16V	ELECTRO	
	C353	QETB1CM-477	470MF	16V	ELECTRO	
	C355	QFN81HJ-104	0.1MF	50V	MYLAR	
	C356	QFN81HJ-104	0.1MF	50V	MYLAR	

MC-Service

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R331	QRD148J-471S	470	1/4W	CARBON	
	R332	QRD148J-471S	470	1/4W	CARBON	
	R333	QRD148J-221S	220	1/4W	CARBON	
	R334	QRD148J-221S	220	1/4W	CARBON	
	R335	QRD148J-471S	470	1/4W	CARBON	
	R336	QRD148J-471S	470	1/4W	CARBON	
	R337	QRD148J-221S	220	1/4W	CARBON	
	R338	QRD148J-221S	220	1/4W	CARBON	
	R341	QRD148J-750S	75	1/4W	CARBON	
	R342	QRD148J-750S	75	1/4W	CARBON	
	R343	QRD148J-750S	75	1/4W	CARBON	
	R344	QRD148J-750S	75	1/4W	CARBON	
	R345	QRD148J-750S	75	1/4W	CARBON	
	R346	QRD148J-103S	10K	1/4W	CARBON	
	R347	QRD148J-103S	10K	1/4W	CARBON	
	R348	QRD148J-103S	10K	1/4W	CARBON	
	R349	QRD148J-333S	33K	1/4W	CARBON	
	R350	QRD148J-563S	56K	1/4W	CARBON	
	R351	QRD148J-331S	330	1/4W	CARBON	
	R352	QRD148J-331S	330	1/4W	CARBON	
	R353	QRD148J-333S	33K	1/4W	CARBON	
	R354	QRD148J-563S	56K	1/4W	CARBON	
	R355	QRD148J-331S	330	1/4W	CARBON	
	R356	QRD148J-103S	10K	1/4W	CARBON	
	R357	QRD148J-331S	330	1/4W	CARBON	

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R358	QRD148J-101S	100	1/4W	CARBON	
	R359	QRD148J-101S	100	1/4W	CARBON	
	R360	QRD148J-103S	10K	1/4W	CARBON	
	R361	QRD148J-123S	12K	1/4W	CARBON	
	R362	QRD148J-333S	33K	1/4W	CARBON	
	R363	QRD148J-101S	100	1/4W	CARBON	
	R364	QRD148J-182S	1.8K	1/4W	CARBON	
	R365	QRD148J-222S	2.2K	1/4W	CARBON	
	R366	QRD148J-302S	3K	1/4W	CARBON	

Others

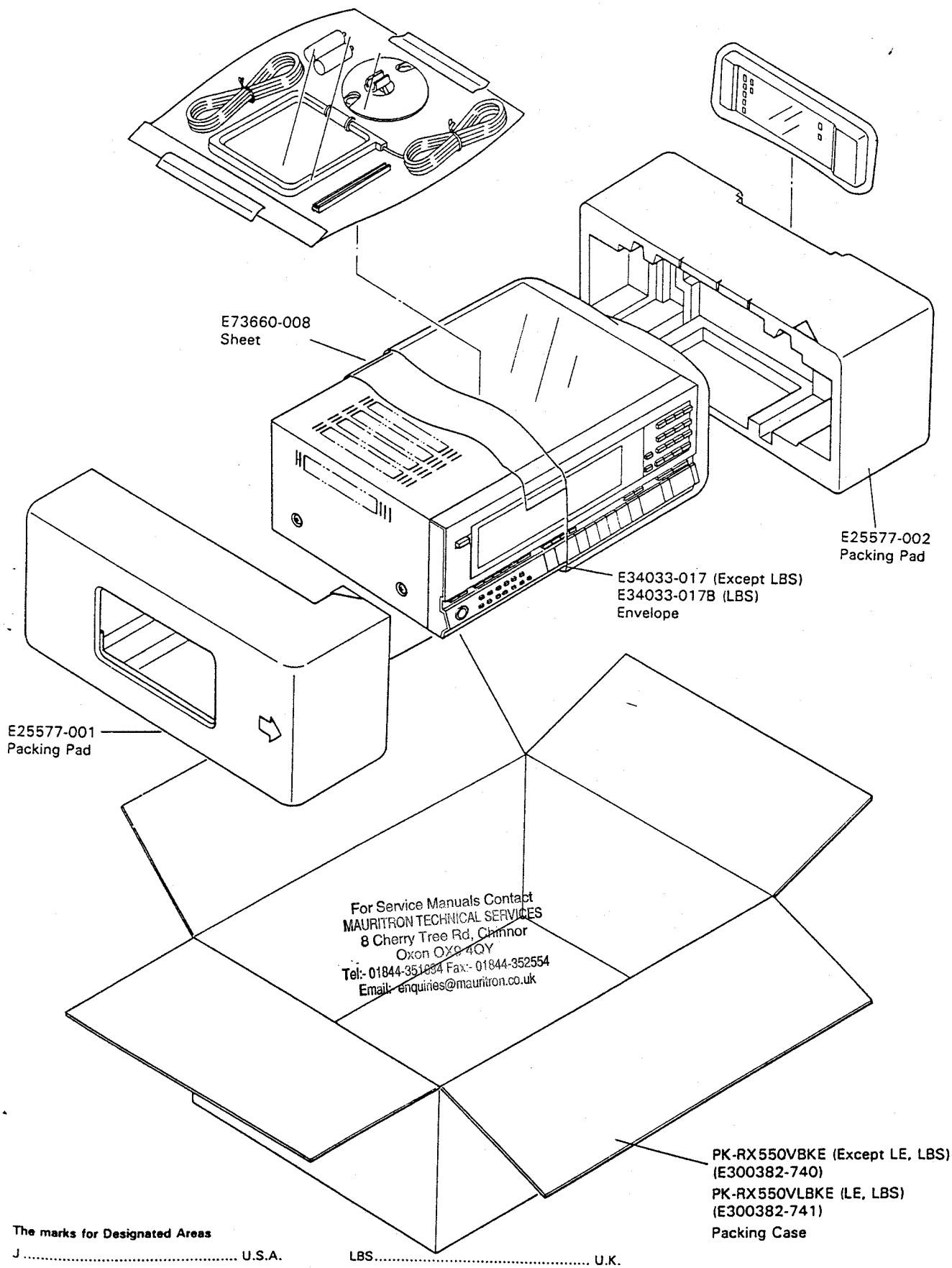
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	J331	EMN00TV-405A	PIN JACK ASSY	
	J332	EMN00TV-402A	PIN JACK ASSY	
	J341	EMN00YV-201A	PIN JACK ASSY	
	J342	EMN00YV-302A	PIN JACK ASSY	
	P331	EMV5112-010R	CONECTOR	
	P332	EMV5112-010R	CONECTOR	
	P333	EMV5101-003B	PLUG ASSY	
	P341	E04364-006A	6P SOCKET ASSY	
		E11412-002	CIRCUIT BOARD	

Accessories List

⚠	Part Number	Part Name	Q'ty	Description	Area
	E30580-1372B	Instruction Book	1		Except LBS
	E30580-1372BBS	Instruction Book	1		LBS
	BT20048B	Warranty Card	1		J,P,PG
	BT20025J	Warranty Card	1		C
	BT20029C	Warranty Card	1		A
	BT20064	Warranty Card	1		G
	BT20060	Warranty Card	1		LBS
	BT20066	EEC Agency	1		LBS,G
	BT20046C	Service Information	1		J,P,PG
	BT20044E	Safety Instruction Sheet	1		J
	BT20071A	Service Center	1		C
	E35497-015	Caution Sheet	1	220V	U,PG
	E35497-013	Caution Sheet	1	110V	P
⚠	E04056	Siemens Plug	1		U,PG
	QZL1008-001	FTZ Information Sheet	1		G
	EQB4001-012	AM Loop Antenna	1		
	E304084-001	Loop Stand	1		J
	E41202-2	Envelope	1		Except LBS
	E41202-2B	Envelope	1		LBS
	E6581-4	Envelope	1		U,P,PG
⚠	QMF51A2-5R0S	Fuse	1		U,PG
⚠	QMF51A2-2R5S	Fuse	1		P
	EWP502-001	Bilt-in Antenna	1		Except G
	E67007-001	Wire Antenna Ass'y	1		
	RM-SR550	Remote Control	1		
	E73088-001	Bracket	1		
	UM-3(DJ)-2P	Battery	2		
	EMC0201-001BS	AC Plug	1		LBS
	E43486-287B	Inst.Sheet	1		J
	E43486-288A	Inst.Sheet	1		Except J
	E43486-289A	Inst.Sheet			
	E43486-290A	Inst.Sheet	1		Except J
	E43486-294A	Inst.Sheet	1		J
	E43486-302A	Inst.Sheet	1		Except J
	E43486-303A	Inst.Sheet	1		Except J
	E43486-304A	Inst.Sheet	1		Except J
	E43486-165A	Inst.Sheet	1		LBS

⚠Safety Parts

Packing Materials and Part Numbers



For Service Manuals Contact
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The marks for Designated Areas

J	U.S.A.
C	Canada
A	Australia
G	West Germany
E, LE	Europe
LBS	U.K.
P, PG	U.S. Military Market
U	Other Countries

No mark indicates all areas.

MC-Service